

ADELAIDEAN

Vol 8 No 3

NEWS FROM THE UNIVERSITY OF ADELAIDE

MARCH 22, 1999

INSIDE

2 Anne Levy reflects on the 1950s

3 The Vice-Chancellor on Roy Last and benefactors

6 The irresistible lure of contradictions

Our Olympic torch is revealed in Sydney

THE OLYMPIC TEAM SPIRIT is well and truly alive, thanks to the expertise of a handful of Adelaide engineers who've played a key role in designing the Sydney 2000 Olympic Torch.

In the 100 days leading up to the Sydney Olympic Games, 10,000 torchbearers will have the privilege of carrying the brightly burning torch to its final destination.

And while most people who see the torch (pictured) will be struck by its distinctive shape (created by Blue Sky Design of Sydney), they will also marvel at the highly symbolic and all-important Olympic Flame burning from the torch.

That flame is the result of months of hard work by a team of researchers—from the departments of Chemical Engineering and Mechanical Engineering at the University of Adelaide, and a local company based at the University's Thebarton Campus, Fuel & Combustion Technology (FCT).

In June last year the collaborative team won the prestigious national contract to design the flame technology for the torch. Since then they have tested a range of fuels and designed a burner that produces a strong, highly visible and safe flame which should not blow out, whether in high winds, crosswinds or torrential rain.

The aim for the design of the torch was to make it the best and most environmentally friendly Olympic Torch of all time. With a strong background in combustion technology, aerodynamics and environmentally

responsible engineering, the Adelaide team has proven itself to be the ideal choice for the job.

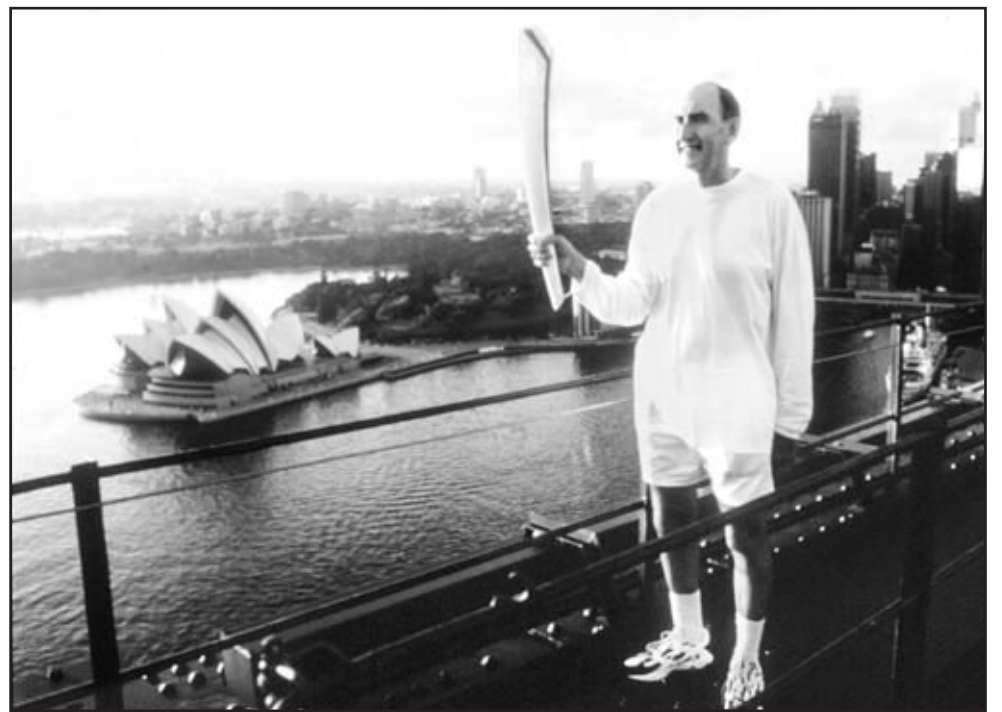
On Monday, 8 March the team's efforts were put on show for the entire world when the Olympic Torch was officially launched in Sydney. (Turn to page 3 to see how the Sydney 2000 Olympic Torch works.)

Attending the launch were three of the chief designers from the Adelaide team: chief design adviser Professor Sam Luxton (Mechanical Engineering), aerodynamics expert Dr Richard Kelso (Mechanical Engineering) and engineering manager Mr David Retallack (FCT). Professor Ian Young, Dean of the Faculty of Engineering, Computer & Mathematical Sciences, represented the Vice-Chancellor at the event.

Other key members of the Olympic Torch research group include: joint leader Professor Dong-ke Zhang (who is now with Curtin University), joint leader Dr Gus Nathan (Mechanical Engineering), fuel system designer Associate Professor Keith King (Chemical Engineering), development engineer Mr Steven Hill (FCT) and senior design engineer Dr Peter Lanspeary (Mechanical Engineering).

In all, more than 20 researchers at the University and FCT have been working on the torch's flame technology—a team effort that could result in one of the most memorable torches in Olympic history.

The collaborative group has also won the contract to design the fuel and burner system for the Sydney 2000



Former Olympian Herb Elliott holds the torch aloft on Sydney Harbour Bridge. Photo courtesy of the Sydney Organising Committee for the Olympic Games.

Olympic Community Cauldron. The cauldrons (about the size of a Weber barbecue) are used during the Olympic Torch Relay celebrations and form a key part of the 100-day relay event.

In other Olympic Torch news, some famous faces have announced their desire to carry the torch during the Olympic relay.

Gold medal-winning equestrian Gillian Rolton said it would be a "great privilege" to carry the torch while

riding her retired champion horse, Peppermint Grove.

And NASA astronaut Dr Andy Thomas—one of the University of Adelaide's most high-profile engineering graduates—has said he would like to take the Olympic Torch into space.

Entries are now open to anyone who wants to nominate themselves as an Olympic torchbearer for the year 2000.

—David Ellis



Blow-up of a detail from a sarcophagus inside Antalya Museum, Turkey. Dr Anne Geddes from Classics took students on a summer school to the region last year. She writes about it on page 2.

Postgraduate scholarship winners in crucial research

WINNERS of the University of Adelaide's prestigious new postgraduate scholarships will be undertaking important research across a vast range of discipline areas.

The winners, who were welcomed to the University recently by the Deputy Vice-Chancellor (Research), Professor Ross Milbourne, and the Deputy Vice-Chancellor (Education), Professor Penny Boumelha, include international and national PhD candidates.

Three postgraduate Premier's Scholarships, supported by the Government, were awarded in areas considered to be crucial to the State.

Mr Stephen Rodda, a Bachelor of Science Honours graduate from the University of Adelaide, won the Premier's Scholarship in Bioscience. Stephen, who proposes to undertake a PhD in Molecular and Developmental Biology in the Department of Biochemistry, has discovered a new gene which appears to control gene expression in mammals.

The Premier's Scholarship in Biotechnology went to Mr Matthew Tucker, a graduate of Flinders University with a Bachelor of Biotech-

nology (Hons). He proposes to undertake a PhD in the Department of Plant Science. His research interest relates to the molecular investigation of plant reproduction.

The Premier's Scholarship in Information and Communications Technology was won by Mr Andre Costa, who graduated with a Bachelor of Science (Hons) from the University of Adelaide.

Mr Costa proposes to undertake a PhD in the Department of Applied Mathematics. His research interest is in applied probability for the modelling of telecommunications systems. His research will examine ways in which communications networks can be managed in a distributed manner. The focus will be on schemes to make the network itself an 'intelligent' body.

In addition, a further nine Adelaide postgraduate research scholars received Adelaide Scholarships National, 17 received International Postgraduate Research Scholarships and six received Adelaide Scholarships International.

—David Washington



THE UNIVERSITY OF ADELAIDE

1874-1999

Celebrating **125** years

COMMENTARY

IN-COUNTRY STUDY IN ANCIENT PAMPHYLIA

Education in Australia is being globalized, and the tyranny of distance overcome, by all the opportunities that are now available for students who want (and can afford) to study overseas. Some subjects benefit from the airline ticket more than others because the subject matter is physical and is located abroad, and when the students are confined to Adelaide, they have to make do with pictures of it in the library. Classical archaeology is popular with students but it is better (and more enjoyable) to study it where it is, and that means in Europe. When I was in southern Turkey in 1997 it occurred to me that the small district I was in—Pamphylia was its Greek name—was an ideal place for undergraduates to learn about how people lived in the world of classical antiquity. It is a small district, which means that the sites are all within reach of, say, Antalya where there are hotels and shops. Within the boundaries of Pamphylia there are half a dozen very varied Greco-Roman cities, coastal, inland, and mountain-top cities, and two very fine Museums. It seemed to be a good location for a “summer” school where the students could learn about Roman city planning, for example, by walking through a number of cities, and about classical architecture by walking into the buildings.

So last July a group of us went to Pamphylia and tried it out. We were, in the event, among those passengers who passed through Kuala Lumpur

airport in the first few days after it opened. We suffered delays, luggage was lost, flights were not booked on. If

I had been able to cancel the whole thing at that point I would have done. The students though, wonderfully resilient as they were from start to finish, passed the extra hours in Istanbul by visiting Saint Sophia, one of the wonders of architectural history, its inner spaces shaped into intricate patterns by pillars and pierced walls, and by light and shadow under its huge Roman dome. This year we are building a stop in Istanbul into the itinerary.

Pamphylia is a region that was Greek a thousand years before Christ maybe. Alexander the Great passed through and, after it became part of the Roman empire, the emperors and their wives came to visit. St Paul was born just along the coast, and it was from Perge in Pamphylia that he set out on his mission to the Gentiles. The cities were prosperous in Roman times and the citizens loved building. When the empire declined and other peoples moved into the district, who had no use for the theatres and the stadiums, the water systems, bath buildings, forums, and gardens that were part of the Greco-Roman way of life, the cities became depopulated. They were not built over or destroyed, but gently crumbled and fell over a bit and got covered with weeds; an archaeologist's dream in fact, because almost everything was left where it was. Turkish archaeology has

by
Dr Anne Geddes
Classics

achieved a great deal in the last fifty years but the country is full of classical cities, far more than any country could manage.

That means that students can not only learn about archaeology when they go there, they can make original observations (as our students did in 1998) and thereby contribute to scholarship.

Here is an example. Roman cities made extensive and imaginative use of water. In Perge the aqueduct brought water to the hill that lay above the main street. From what seemed to us to be a water tower on the hill, the water came down into the fountain house that marked the end of the main street, a fountain house decorated with elaborate fantasy architecture and statues. It passed through the fountain house, flowed out from below the statue of the local river god and into a pool. From there it was carried along the length of the main street in a raised channel which was fitted with “stops” so that water fell over a barrier every four feet or so. The water would cool the busy street and make a gentle splashing noise—much better on a hot day than the noise of traffic in the modern street just outside the site. The water was taken off into several bath buildings. Some of it was heated by furnace and carried in pipes under the floor to warm the hot room and to flow into the hot baths. Some of it was kept cool for the plunge baths and the swimming pools. And finally it was brought out of the city in huge

drains, to the river downstream. To read that description is a very forgettable experience in comparison with walking down the street, seeing the outlets where the shopkeepers could draw off water in a bucket, and the marble basins where animals could drink, stepping down into the now empty swimming pools and looking through the huge windows of the bath buildings into what would once have been gardens.

When I have spoken about a summer school to my colleagues in Australia they have sometimes questioned the equity of university courses which involve students in considerable cost; in this case the whole trip including airfares, food and everything else, must have cost each of us about \$4000. Last year no-one of us was particularly rich and the students, to my knowledge, had worked part-time, as so many of our students do, in order to earn enough money to make the trip. The course was a second and third year undergraduate course, any student of any Australian university can enrol and we also took a contingent of non-enrolled students who came to everything and did everything except the assessed work. Having them with us was a great asset because they all had expertise, maturity and experience to contribute to the success of the “summer” school. This year we are hoping to go again with enrolled and non-enrolled students.

Continued Page 6

Celebrating
125
years

FROM NEAR AND FAR

Anne Levy retired from the Legislative Council in 1997 after serving since 1975. She was the first woman to be President of the Legislative Council (1986-89) and she held several Ministries, including (most recently) Minister for the Arts and Cultural Heritage. She has also been a member of the University Council, and tutored in Genetics at Adelaide from 1960 until her entry into State Parliament.

I have many happy memories of my undergraduate years in the 1950s. The University was a much smaller place, with only about 3500 students, and a few months after enrolling I could recognise pretty well everyone in the Refectory, without knowing all their names. Life centred round the Refectory, with many friendships formed and arguments passionately debated with a tea or coffee in hand—whether God existed, whether virginity should be maintained till marriage, whether women should expect careers after having children, whether men and women could be friends without having a sexual relationship, whether Marxism and/or Socialism were relevant to our society, whether Playford would ever loosen his grip on SA, etc, etc. As a poverty stricken student I always had tea for these endless discussions, though I preferred coffee, for tea cost 4d a cup and coffee 6d a cup, and I had to spread my meagre allowance over as much socialisation as possible.

Then there were the Clubs and Societies to fill the hours after lectures and practicals—the Immaterialist

Society for the atheists, many varieties of Christianity, the Labour Club (small and serious) and the Liberal Club (large and social) for the politically minded, even a Communist Club reputed to have only three members. There were all the sporting clubs imaginable, and I enthusiastically took up hockey but couldn't afford skiing. There was AUDES (Adelaide University Dramatic Society), which put on Shakespeare and Bernard Shaw and the latest plays by Jean Anouilh and Roger Fry in the old Hut, and participated in the annual Intersarsity Theatre Festival—I scored a trip to Hobart one year, and met Barry Humphries as the leading actor from Melbourne University another year. There was the Footlights Club, which put on the annual Revue after the exams each year, and to this day I can sing some of the scurrilous (or so we thought) songs written over a glass of flagon red and performed after more flagon red. There was the SRC (Student Representative Council) where we earnestly debated issues such as provision of bicycle racks and lockers and how we could get an Aboriginal student in to the University and whether the Refectory should introduce Asian food for the increasing number of Asian students and the inequity of the then fees for a University education. There was *On Dit* providing us with far more reliable reviews of the films on in town than the *Advertiser* ever did, and there was even NUAUS (National Union of Australian University



Anne Levy. Photo by Eric Algra, courtesy of Anne Levy.

Students) which always met in Melbourne—I was once a delegate but remember nothing of the meeting except encountering Phil Lynch who bullied everyone not from Melbourne.

Of course there were lectures and practicals and tutorials too, but these do not loom large in my memories, even though I was fascinated by much of their content.

There was no continuous assessment then, with results depending entirely on the November exams. This meant that throughout the year we had the time to indulge in a wide variety of activities,

and only really knuckled down in October to five weeks of concentrated swotting with no distractions. Such an attitude would not be considered educationally sound these days, but for me it worked and resulted in a sprinkling of Credits and Distinctions, and enabled me to have a lot of fun from March to September each year.

I had come from an all girls school, so encountering those strange beings in trousers was a wonderful bonus and quite an overwhelming experience. Females were a very small proportion of the students, particularly in the Science Faculty, and I made the most of my opportunities while deploring the rampant sexism of many of the males. In my second year I read Simone de Beauvoir's *The Second Sex*, which had just been translated into English, and this put into words what I had long felt, and turned me into a “Women's Libber” before the term was invented. Refectory conversations became even more heated, and I recall some of the women supported me but very few of the men did!

Being a student was a superb education, though the most stimulating and challenging and memorable moments came from interaction with my peers in student activities. We grew intellectually, and graduated as fuller personalities ready to face the outside world with all its problems. I wonder if students today feel as enriched by their University experience, and how they will be diminished if Union activities disappear?

Much to offer Kenyan students

KENYA is showing a keen interest in placing more students at the University of Adelaide.

Traditionally Kenya has sent many of its students to northern hemisphere universities, in particular the UK and US, and more recently India and China.

However, Australia is becoming more attractive, with costs matched with the quality of our programs—especially in agriculture, which is of direct relevance to Kenya's needs.

Last month the University of Adelaide hosted a visit from the High Commissioner of Kenya, His Excellency Mr Green Josiah, who toured the University's Waite and Roseworthy campuses.

Mr Josiah was impressed by the range of courses and facilities for students. He said courses in rural enterprise management, dryland farming, plant breeding and horticulture would be of particular interest, but indicated that Kenya also needed short-term training courses.

The High Commissioner met about 20 Kenyan students currently studying in Adelaide, including three new Masters students in the University's Faculty of Agricultural & Natural Resource Sciences (ANRS). Mr Josiah said he



(From left) Mr Green Josiah, High Commissioner of Kenya, with new postgraduate students Gerald Ashiono (Agronomy & Farming Systems), Margaret Mahindi and Lucy Gitonga (Horticulture, Viticulture & Oenology).

believed they were "the happiest and most satisfied" of his country's students in Australia.

ANRS Executive Dean Professor Malcolm Oades said he was heartened by the High Commissioner's impressions of the Faculty and its partners.

"This is the first time we have had

direct international interest in our new rural enterprise management arrangement with TAFE, and it is clear that in other disciplines we have much to offer Kenyan students and researchers," Professor Oades said.

—Hugh McLelland
Manager, Agri Business Development

Our Olympic torch revealed in Sydney

From Page 1

ANATOMY OF THE OLYMPIC TORCH

Propane/Butane Fuel: The fuel is a mixture of low-molecular-weight hydrocarbons: propane (LPG) and butane (cigarette lighter fuel). The mixture is environmentally friendly with lower carbon emissions and better luminosity for less fuel consumed.

Fuel Canister: The fuel is stored in a standard high pressure aluminium aerosol canister, the same as those used for hair-styling mousse, insecticide and spray paint.

Dip Tube: Delivers liquid fuel from the bottom of the canister to the fuel pipe.

On/Off Valve: The valve is incorporated into the top of the canister. A level at the base of the torch raises the canister, depresses the valve and allows the fuel to flow.

Fuel Pipe: Delivers the fuel from the fuel canister to the combustor.

Gauze Filter: Filters the fuel to prevent clogging of the orifice.

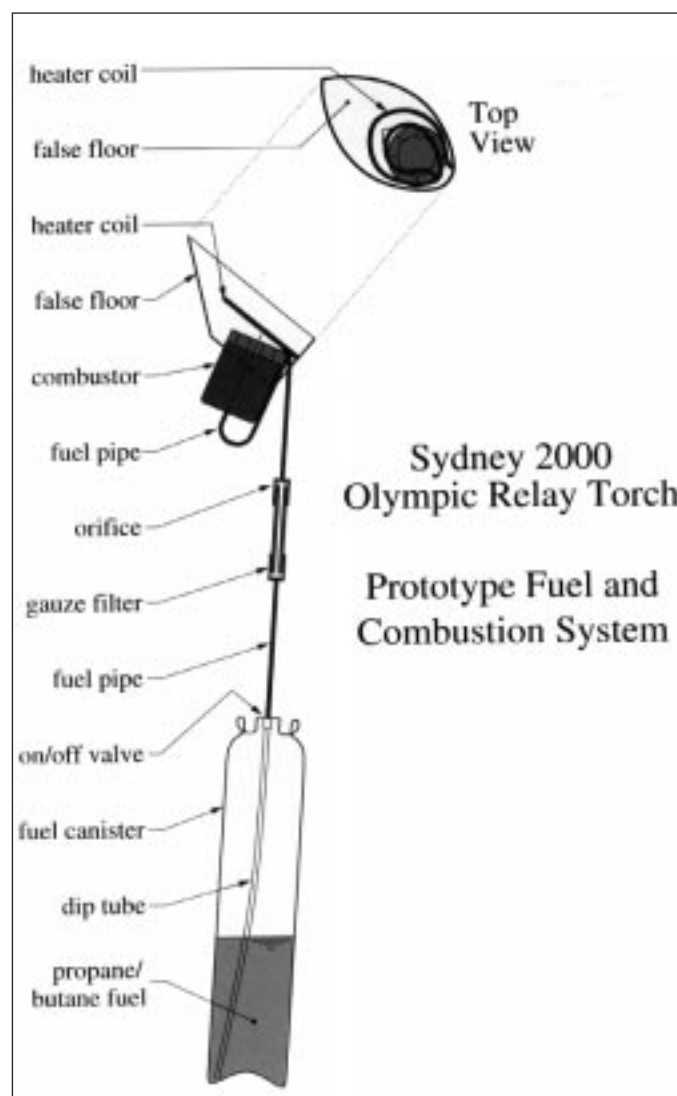
Orifice: Restricts the fuel flow to a rate determined by the storage pressure. The pressure drop across the orifice is necessary for vaporisation of the liquid fuel.

Heater Coil: The heat required for complete vaporisation of the fuel is provided by passing the fuel pipe through the flame.

False Floor: Acts as a shield to insulate the torch body from direct contact with the flame, keeping the torch relatively cool and making it safer for the torchbearer.

Combustor: This is a newly developed self-stabilising combustor which is extremely tolerant to cross-winds.

The torch flame has been tested to stay alight in winds up to 65 kilometres per hour and in a tropical downpour. The torch has a built-in safety system which extinguishes after 10 seconds if it is left lying on the ground or inverted.



Cross section of the internal workings of the 2000 Olympic Torch. Image courtesy of the torch fuel and burner design team.



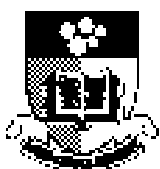
At Last

Proposed Government legislation on voluntary student unionism is currently fostering debate which highlights the broader education which universities provide beyond the lecture room—the education one gains by being part of student life, and participating in the decision-making processes which shape both student affairs and university policy. So it is fitting that we have finally been able to celebrate the life of someone who did indeed enjoy his time at university (this University and others) and who valued universities so highly that he left us a very significant bequest. I knew that Professor Raymond Last had left us a large sum of money (£850K) in the early nineties and I was puzzled that we had not honoured him in any particular way; so I was delighted when members of the Department of Anatomical Sciences suggested that we should name the dissecting room "The Ray Last Anatomy Laboratory". The naming ceremony was held in conjunction with the annual Memorial and Dedication Service which pays tribute to donors who bequeath their bodies to medical science, and dedicates new students to the serious and respectful study of anatomy. The Ray Last Bequest has allowed the establishment, in 1995, of the Wood Jones Chair of Comparative and Anthropological Anatomy, which is occupied by Professor Maciej Henneberg. New research is being conducted in the areas of anatomical variation, human evolution, skeletal biology, facial reconstruction techniques for forensic purposes, and Aboriginal Health. Other projects of significant benefit to health professionals in the fields of physiotherapy and dentistry have also been made possible.

Ray Last was a fascinating character. Early in his career he served as a country doctor in Booleroo Centre here in South Australia, and during World War II, as Emperor Haile Selassie's personal physician. After he retired from the Chair of Anatomy at the Royal College of Surgeons he roamed the world teaching anatomy in universities in many countries, including, of course, in our own medical school. We were lucky to have Ray Last's two sons present at the naming ceremony. Dr Peter Last is a local physician, and John Last is Emeritus Professor of Epidemiology and Community Medicine at the University of Ottawa; both are, like their father, medical graduates of this University. While he was visiting Adelaide Professor Last was able to consult with Professor Tony Worsley and the Department of Public Health about public health changes which are under consideration, and about possibilities for close cooperation with other universities. John Last has also prepared a wonderful booklet about his father which is available from Professor Henneberg at the Department of Anatomical Sciences.

I am pleased we have been able to recognise a great benefactor—at last.

MARY O'KANE



ADELAIDEAN

The newspaper of The University of Adelaide

John Edge
Editor

Julie Ryke
Layout

Printed by
Cadillac Color

Writers
David Ellis
David Washington

Contributors
Tony Cox
Adrienne Eccles

Deadline for next issue is 25 March

Room G07 Mitchell Building, South Australia, 5005. Tel (08) 8303 5174; Fax (08) 8303 4838; Email: julie.ryke@adelaide.edu.au
WWW: <http://www.adelaide.edu.au/Adelaidean/home.html>

Material may be reproduced without permission but full acknowledgement must be given to the Adelaidean.

Sri Lankan agreement looks to the future

IN A BID to improve recruitment of international students from Sri Lanka, the University of Adelaide last year signed an agreement with the St Nicholas' Education Foundation in Colombo.

The St Nicholas' Education Foundation is a non-profit organisation devoted to developing educational opportunities for Sri Lankan students.

As part of its aim the Foundation established the St Nicholas' International College, for Sri Lankan students who hope to further their studies abroad. The College is currently the base for the University of Adelaide's counselling and recruitment of students from Sri Lanka.

In January this year the University was visited by the Chairman of the St Nicholas' Education Foundation, Mr Nihal Perera, who spoke with the *Adelaidean*:

"The Foundation was set up to do two things: initially to set up the international college, and to further educational development for Sri Lankans.

"Now we have found it is time that the Foundation looks at tertiary education and helps to provide opportunities for the students coming out of our school to enter universities or technical colleges, as far as possible through our support and guidance.

"We were very happy to be associated with the University of Adelaide because it's one of the top universities—we thought this could be the best link to Australia."

Advertisement

What do you see as the benefits for your students? Why choose Adelaide?

"There is more confidence sending students to Australia now than, say, to the US or the UK. In the past they have gone to the US or the UK often because there was no other choice.

"But now with the Australian universities coming in a big way, people are more comfortable with Australia.

"I think the University of Adelaide came in at the right time. In Adelaide the safety and the quality of life are fantastic.

"With the reputation and the image that St Nicholas' and the University have built up in Sri Lanka, parents will be encouraged that their child will be well looked after in Australia. Many of the parents are very concerned about that. We are a conservative country and parents are somewhat conservative, but they are open to international exposure.

What do you see as the future for Sri Lankan students who want to study in Adelaide?

"We are really looking at the future. We are discussing with the ACUE the possibilities of St Nicholas' offering English language programs which will be recognised by the University. At the moment in Sri Lanka we don't have very well structured English language programs for those who are entering universities. And there are very bright students in the country, but the parents are concerned, the child is concerned that they will not be able to manage English.

"So we are looking at developing not only English language but also personal development, communication skills etc, for Sri Lankan students.

"This is something we have looked at very seriously and we want to develop an English language program acceptable to the University of Adelaide.

"Other areas we are looking at are the SACE program (South Australian Certificate of Education program). We've had discussions with people from SSABSA, and we're hoping to start next year.

"Normally the GCE A Levels in Sri Lanka are two years, but here the SACE program is a one-year program. SACE is also accepted not only in Australia but in other countries. So by establishing the SACE program at St Nicholas' it opens up other



Shaking hands—Deputy Vice-Chancellor (Research) Professor Ross Milbourne, representing the Vice-Chancellor, and the Rt. Reverend Dr Oswald Gomis, Chairman of the St Nicholas' Education Foundation's Board of Governors. The acting Australian High Commissioner, Ms Kathy Klugman, was an official guest at the signing. Photo courtesy of International Programs.



Mr Nihal Perera in Adelaide. Photo: David Ellis

opportunities for the students.

"Another area is the development of short-term executive management programs for the corporate sector. Many people within the business sector in Sri Lanka go abroad for their training programs. If we can manage some of those courses through the

University of Adelaide we will be very happy to develop those as well.

"All the time we are continuing our links with Adelaide and we will see what we can do. We are very happy to be with the University of Adelaide, and I'm very optimistic about the future."

—David Ellis

Philippines connection

PROFESSOR GEORGE SMOLICZ (Education) represented the Vice-Chancellor in Manila at Australia's program of business, educational and cultural exchanges to celebrate the Centenary of the Independence of the Philippines.

Professor Smolicz has collaborated on research into the language of the Philippines with Dr Andrew Gonzales, former President of De La Salle University and now Secretary (Minister) of Education, Culture and Sports in the new government of President Joseph Estrada.

L to R: Mr Max Soliven, editor of The Philippines Star, HE President Joseph Estrada and Professor Smolicz at a function for key public and educational leaders. Photo courtesy of Professor Smolicz.



Dental Care To Share

A CHARITY organisation established by a group of Adelaide dentists is working to improve the level of dental care in overseas countries by sharing their knowledge and expertise.

The organisation, known as Dental Care To Share, is run on a voluntary basis by staff from the University of Adelaide's Dental School. Visiting Research Fellow Dr Paul Gratiaen, Visiting Research Fellow Dr John McIntyre, Associate Professor Lindsay Richards, lecturer Dr John Kaidonis and lecturer Dr Kaye Roberts-Thomson are all directors of Dental Care To Share.

"The main idea behind the organisation is to promote oral health in countries which have limited resources," said Associate Professor Richards.

"In many countries, particularly developing countries, there is a lack of fully qualified dental workers and, often, poor dental hygiene. So by better educating dentists, dental technicians, nurses, other health care workers and teachers in those countries, we hope to improve the awareness and quality of dental care."

One of the main countries where Dental Care To Share is focusing its attention is the Solomon Islands.

Despite having a population of about 300,000 people, there are only four qualified dentists in the Solomons.

"For about five years now some of the people involved in the Dental Care To Share program have been going from Adelaide to the Solomons to run training programs for school teachers, nurses, and others, away from the big cities where there are no dentists, and to help with the clinic there.

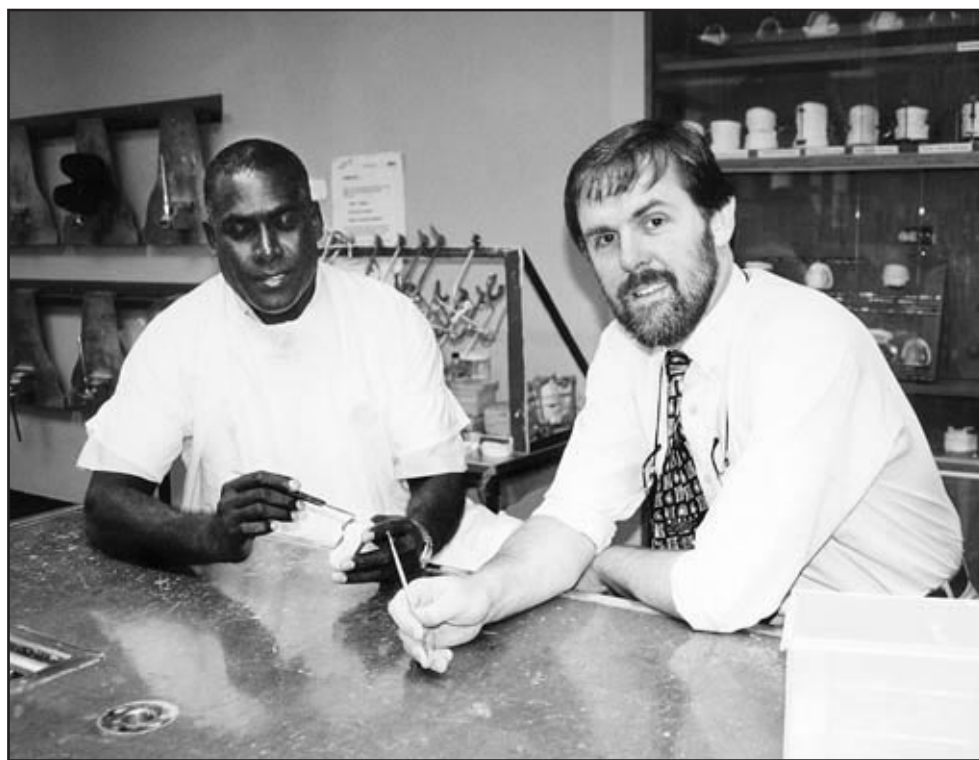
"The training has been in the 'atraumatic restorative technique', where pretty much any primary health care worker can do simple fillings for people, and also run preventive programs," Associate Professor Richards said.

"The other thing we've been keen to do is arrange for people from the Solomons to travel to Adelaide for advanced training."

The first of those to arrive from the Solomon Islands was Mr Alfred Rauka, a dental technician. Late last year Mr Rauka spent four weeks in the University of Adelaide's Dental School, where he learnt some simple orthodontic techniques (such as making corrective plates for children's teeth) and studied some of the latest techniques used in Australia.

"This will benefit my work very much, because some of the things that I need to do back home I haven't had the training to do," Mr Rauka said.

"A lot of the procedures and the techniques that they use here are quite different from what they use at



Alfred Rauka and Lindsay Richards. Photo: David Ellis

home. I've learnt a great deal from this experience."

Associate Professor Richards said others from the Solomon Islands would travel to Adelaide for training, but he said it was not always easy to fund such visits.

"This is a charity, so we have to raise the money to bring them here. We raised almost all the money to bring Alfred to Adelaide—the rest is on my Visa card," he joked.

"As far as I'm concerned this program has been very successful. We hope that every year or two someone else from the Solomons will be able to come to Adelaide, and we're always looking for new ways to improve dental care in developing countries."

Donations to Dental Care To Share can be made through Associate Professor Lindsay Richards on (08) 8303 3296 or Dr Paul Gratiaen on (08) 8379 7399.

—David Ellis

O&G Congress

AN INTERNATIONAL conference with a difference held this month in Adelaide is set to reshape the nature of future conferences, according to organisers.

The annual scientific meeting of the Royal Australian and New Zealand College of Obstetricians & Gynaecologists was held at the Adelaide Convention Centre from 1-3 March.

The congress was the first of its kind on a large scale, with no lectures, no slides and no visiting speakers. Instead, an "interactive" approach was taken, with delegates involved in computer-based workshops, video conferencing and other methods of discussing the latest techniques and issues in women's health.

Delegates who were not already computer literate were given a training session at an internet cafe.

The chairman of the organising committee, Associate Professor Alastair MacLennan (University of Adelaide's Department of Obstetrics & Gynaecology, Women's & Children's Hospital) said the congress was a huge success because of its unique approach.

More than 400 delegates from Australia, New Zealand and the wider world attended the three-day event.

More than 97% of the delegates who provided feedback about the congress said they much preferred this style of conference to the standard, didactic teaching-based ones.

"The interactive sessions came off very well," said Associate Professor MacLennan.

"Our international and interstate guests in particular were very impressed by the congress and its approach. Many of them said that this had changed the very nature of our annual meetings, which I think is an exciting step forward."

—David Ellis

Young scientists at work on the borderline between organisms

WE LIKE TO BELIEVE that the body of an individual organism is a biological unit of life and that its integrity is preserved under all costs.

But a close look at symbiotic and parasitic interactions shows that the borderline between organisms is easily erased and new organisms may emerge from the fusion of two unrelated species.

Classical examples are lichens derived from algae and fungi, forming entities with new properties not resembling either of the two initial organisms. Other examples involve micro-organisms interacting closely with multicellular organisms, forming intimate relationships.

The study of complex ecological assemblies is a new emerging field in evolutionary sciences involving a multi-disciplinary approach. Some of the outcomes may have profound practical implications for the sustainable management and biological control of damaging organisms in our ecosystems.

Two young scientists who are working on complex biological interactions in the newly formed Department of Applied & Molecular Ecology—Dr Sassan Asgari and Dr Gary Taylor—last year secured funding for personal postdoctoral fellowships from the ARC.

Since this is a rare event (and different from postdoctoral fellowships that are secured by senior staff members) we should acknowledge their success.

Dr Asgari has been fascinated by his PhD project and decided to uncover molecular details of a biological system consisting of a symbiotic virus

and a parasitic wasp.

Parasitoid wasps that lay their eggs inside another insect, which is invariably killed in the process, are using a secret weapon in the form of symbiotic viruses.

These viruses are an integral part of the wasp life cycle and transmitted onto subsequent wasp generations by wasp chromosomes, where the virus DNA is found among wasp genes.

Virus particles are produced in the wasp ovary and injected into the host together with the wasp egg.

Somehow these viruses interfere with the defence system of the host insect and prevent it from reacting towards the wasp egg inside its body cavity.

Dr Asgari found a single virus protein that inactivates host blood cells by depolymerising the cellular cytoskeleton.

His plans are to unravel the functional role of the virus in this parasitoid-host interaction and to use some of the information to genetically improve baculoviruses, another group of insect viruses used in the biological control of insect pests.

Dr Taylor, who obtained his PhD degree while working part time in the Departments of Entomology and Crop Protection, has in his spare time continued to work on gall-forming organisms in plants.

Together with Dr Kerrie Davies, he became fascinated by a complex association of nematodes and insects that induce complicated galls on eucalypts and Melalucca plants.

Nematodes are transmitted by a fly, which deposits its eggs together with

a specific nematode into plant tissues.

The plant reacts to some unknown cues from the nematode or fly secretions to form complicated layers of tissues around the growing invertebrates.

Both nematodes and insect larvae feed independently within chambers in the gall until the fly forms a pupa, when nematodes penetrate the pupal cuticle of female flies and congregate in the ovary around the newly formed eggs.

After the fly emerges from the plant gall, it searches for a new host plant where it deposits its eggs together with the nematodes.

To complicate an already intricate biological system, Dr Taylor and Dr Davies have discovered a complex of other insect species, which are regular participants in the plant gall and play an important part in modifying plant growth.

These include up to 15 species of wasps, some of which parasitise fly larvae and caterpillars feeding on gall tissue.

Gall-forming organisms are considered effective biological agents to control weed plants as they induce the plant to channel resources unproductively into gall tissue rather than foliage, flowers and seeds.

Dr Taylor will be part of a team to explore the ecology of gall-forming flies and nematodes and the potential to control Melalucca, which has become a serious environmental weed in the Florida Everglades in the US.

—Otto Schmidt,
Professor and Head, Department of
Applied & Molecular Ecology

Centenary project sheds light on Constitution

A NEW research project by a University of Adelaide constitutional lawyer is helping to bring Australia's history to life for the Centenary of Federation.

Dr John Williams, a lecturer in the University's School of Law, has been awarded more than \$64,000 by the National Council for the Centenary of Federation to produce an in-depth publication on the Australian Constitution.

His project was one of 42 to receive grants by the Council under its history and education program, leading up to Australia's Centenary of Federation celebrations in 2001.

The program is designed to "increase the community's knowledge and appreciation of the development of the Australian nation since Federation in 1901, and leave a lasting legacy of resources for future generations of Australians".

Dr Williams will produce an authoritative publication which brings together the critical documents that form the Commonwealth Constitution of 1901.

The publication, called *The Australian Constitution—annotated source documents*, will trace the Constitution as a document-in-progress, from its most embryonic stages in the 1880s to its enactment in 1901.

—David Ellis

Meet Geoff Spring

University staff interested to welcome, meet and hear the new CEO of the SA Department of Education Training and Employment Geoff Spring, are invited to a dinner on the evening of Thursday 25 March, 6.30pm for 7.00pm at Jimmy Watsons, 192 Pirie Street.

Organised by the SA Chapter of the Australian College of Education. Sixty places only. ACE members \$25, non members \$30. Bookings are essential, call 8334 3210 by Monday 22 March.

The Irresistible Allure of Contradictions, Inconsistencies and the Impossible

CHRIS MORTENSEN, appointed Professor in the Department of Philosophy at the University of Adelaide in November 1998, has a passion for paradoxes which has lasted more than 20 years.

An example he cites of the kind that fascinates him should make students wary of trying to out-fox their examiners with logic.

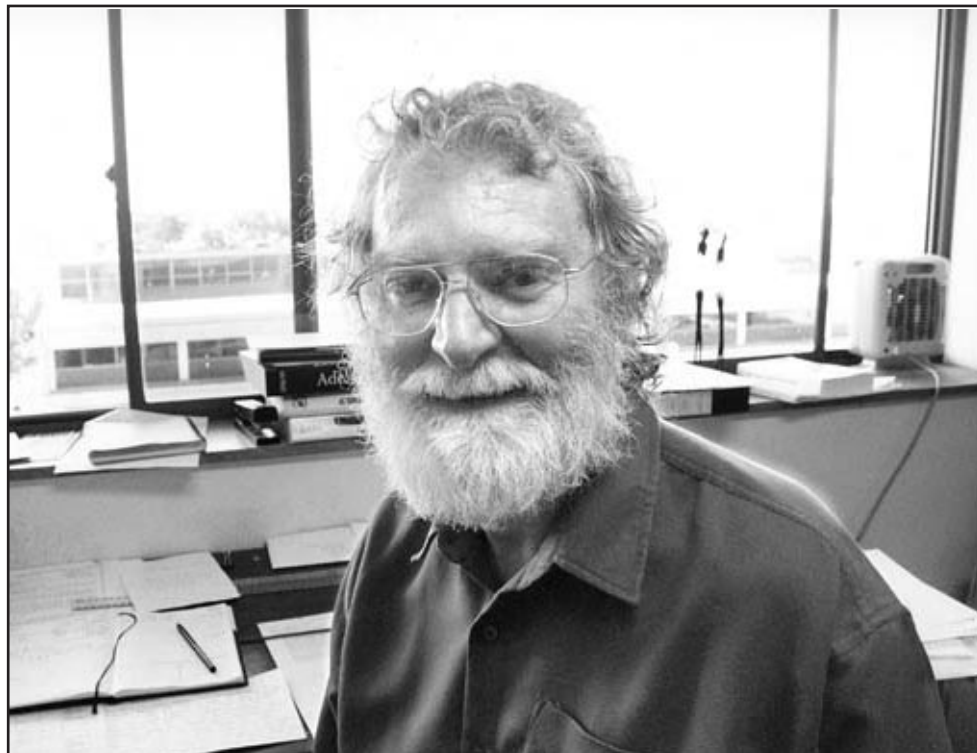
A lecturer tells his students that there will be an unexpected exam some time in the following week. The students deduce that the exam could not take place on Friday because if Thursday evening comes and no exam has been given, it would have to come on Friday and hence be expected. They similarly deduce that it could not fall on any other day of the week either. However, come Tuesday, the lecturer walks into class with an armful of exam papers, much to the students' surprise. While their logic seems flawless, it is equally clear that they were entirely wrong.

Paradoxes like these, explains Mortensen, first began to puzzle the world's best thinkers more than 2,500 years ago. One of the first and most enduring was the famous conundrum formulated by the Cretan philosopher Epimenides: "All Cretans are liars", which is both true and false at the same time.

While many age-old paradoxes, such as Zeno's Achilles forever racing to catch up with the tortoise, have since been solved by conventional logic, the ones which particularly capture Mortensen's imagination are those like Epimenides' which have no apparent solution.

The answer he sees lies in a new kind of logic which embraces inconsistencies but without sapping the rigour of the system. The guiding principle overall, a kind of parallel with Occam's 'razor', is not to multiply the number of contradictions in an explanation more than necessary.

Mortensen first began working in this field after taking up a post at the Australian National University in the mid 1970s, having completed Honours in Philosophy at the University of Queensland in 1967. During the



Chris Mortensen—passion for paradoxes. Photo: David Ellis

1970s, a number of logicians interested in contradictions had gathered at the ANU, establishing it as a world centre of study ranked alongside the pre-eminent Brazilian school led by Newton Da Costa.

In 1976, Mortensen was awarded a PhD by the University of Adelaide, and in 1982 he took up a lecturing position here where he now continues to research the paradox of paradox.

In 1997 Mortensen co-organised the first world congress on para-consistency hosted by Belgium, which attracted 100 delegates from over 20 countries. The response rate, in his view, indicates that this is one of the most exciting areas of study in philosophy to emerge in the last 30 years, and now many outside philosophy are showing keen interest too.

Researchers into artificial intelligence have taken a close look at this work because of the problems digital processors have in dealing with contradictory information, when what

the "ear" hears does not accord with what the "eye" sees. This is the kind of problem that the human mind encounters frequently but readily copes with.

At another cognitive level, there is a potential interest for psychologists in para-consistency studies which might reveal how we manage to hold incompatible beliefs, and how repressed thoughts lurking in the unconscious might be released.

Mathematicians too are interested to see how their discipline might be enhanced by a touch of inconsistency. Mortensen has made a notable contribution to this area of study in the form of a book, *Inconsistent Mathematics*, published in 1995.

Despite the mind-boggling complexity of these ideas in detail, he enthusiastically welcomes all-comers to an understanding of this work and to contribute to debate in whatever way they can.

—Tony Cox

Advertisement



**Put yourself in the spotlight
HOST A CONFERENCE**

Hosting a conference in Adelaide can promote your research capabilities and expertise to industry, government and the community. At the same time, staging a seminar can build your professional profile in national and international circles. However if you have no experience the Adelaide Convention and Tourism Authority can help with free assistance to identify, bid for, secure and organise an academic conference in Adelaide. ACTA can assist with:

- Preparation and presentation of bid submissions to secure conferences
- Access to financial assistance schemes
- Full colour brochures that can be overprinted with conference details
- Brochures for delegate satchels
- Advice on conference facilities, venues and catering

So if you are involved in a specialised field of research or study and wish to grab the attention of the world, contact Lyndal Sterenberg at ACTA on 8212 4794.

LimeLight ACTA091



COMMENTARY cont...

IN-COUNTRY STUDY IN ANCIENT PAMPHYLIA

From page 2

The students profit in other than academic ways. They live for a while in a Muslim world, much poorer now than it was in Roman times, and a country with a recorded history of nearly three thousand years. They can see the importance given to that history not only by the Turkish people themselves but by the international community of scholars from European, American, Japanese and many other backgrounds who are engaged in the same work of understanding the past. Best of all they can feel themselves part of that world of discovery because in a place like Pamphylia they do actually make discoveries. This "summer" school is the only one of its kind in Australia and, to my

knowledge, the only one to offer a course in Turkey.

Did anything go wrong? I would have to say that there were travel problems, there were stomach problems, and it was too hot for comfort. On the other hand it was a marvellous opportunity to get to know antiquity from the physical remains. That sort of experience has to be accompanied by coming to grips with the scholarship that is contained in the Barr-Smith library, but the University of Adelaide now gives its students access to both. In addition our students can say they have swum in the Mediterranean over the shipwrecks of the pirates who used to live there before the Romans put an end to them.

Professor Herbert (Bert) S Green: 1920-1999



ONE OF THE first things which the innovative but controversial Vice-Chancellor, AP Rowe, did after he came to Adelaide in 1948 was to appoint a number of very young and very talented professors. One of them was the first Professor of Mathematical Physics, Herbert Sydney Green, who was appointed in 1951.

This chair was created with the object of stimulating research both in mathematics and physics, and Professor Green, or Bert Green as he was always known, was the ideal appointment. He brought to the position a high degree of independence and originality, so that although he was far from the world centres of research, his scientific output hardly faltered under the transition from Princeton and Dublin to Adelaide. In

the first year, 1952, with the assistance of Dr, later Professor, Messel, he published nine papers and one book. Although the Department of Mathematical Physics never at any time had more than four staff, it continued to produce research papers, train research students and teach undergraduates during the whole period of its separate existence, up till 1987. This can be fairly ascribed to the leadership that Bert Green exercised through the example he set.

Bert Green was born in 1920 in Ipswich and took his undergraduate degree at Imperial College in 1941. He served for four years with the RAF as a meteorological officer, and then went on to postgraduate work at the University of Edinburgh with Nobel Laureate Max Born, where he was awarded both a PhD and DSc, the latter for seminal work with Born on the molecular theory of liquids. This led in particular to the formulation of the BBGKY equations (the other initials refer to Bogoliubov, Kirkwood and Yvon), which form a fundamental starting point for the description of the behaviour of liquids from the molecular standpoint. This work was published not only in six research papers, but also in three books.

After leaving Edinburgh in 1949, Green spent a year at the Institute of Advanced Study in Princeton, and then changed his field of research to cosmic rays, working in Dublin and Adelaide with Messel and others on the structure of cosmic ray showers. Before the advent of powerful computers, this meant either tedious machine calculations, or ingenious mathematical constructions, and here the latter were used extensively.

After Messel left Adelaide to go to Sydney, Bert Green spread his

interests over the whole of theoretical physics, which for him ranged much more widely than would ordinarily be expected. In association with Rainer Radok and John Hails, he investigated the hazards of petrochemical manufacture at a projected plant in Redcliffs, and found that any significant accident would have catastrophic consequences for the whole area at the head of Spencer Gulf. This did not please the government of the time, but eventually, realising the correctness of Green's conclusions, the scheme was abandoned. In his later years, in association with Professor Terry Triffet, Bert Green wrote extensively on the physics of the brain and the mechanism of consciousness, culminating in the book *Sources of Consciousness*.

His research in more conventional theoretical physics led him to the invention of "parastatistics", a type of symmetry of particles which straddles the gap between conventional Bose and Fermi statistics. It came very close to describing the peculiar statistics of quarks. Research in this area is still very active, and relies heavily on the Green Ansatz, invented in 1953. Through the rest of his life Bert Green continually returned to these ideas of more general symmetries, which he called variously modular or colour algebras.

His other works cover such a wide range that I can do no more than simply list them: plasma physics, statistical mechanics, particle physics and quantum field theory, gravitation and general relativity, group theory, and artificial intelligence. His last book, *Physics, Information and the Observer*, accepted by Springer just before Green died and written whilst

he was suffering from terminal cancer, set out what was essentially his view of the whole of physics and contains, among many other things, a severe criticism of the "big bang" theory of the origin of the universe. His lectures on quantum mechanics, "Matrix Mechanics", have been published in four languages.

Although he suffered from severe deafness for most of his life, making normal social exchanges difficult, he enjoyed social occasions, being always an excellent host, and he was a regular concert-goer. He had little taste for administration, but when required to do so, whether as chairman of his department or Dean of the faculty, was conscientious, kindly, efficient and understanding. Whilst he was President of the Australian Mathematical Society in 1974-76, the case of an imprisoned Ukrainian mathematician, Leonid Plyush, was brought to his attention, and he threw himself whole-heartedly into a campaign to have Plyush released, which, in conjunction with a worldwide campaign, was successful.

He is survived by his wife, a son and daughter, their spouses and five grandchildren. He is also survived by hundreds of students inspired by his teaching, of which 23 were his research students, and 10 now occupy chairs throughout the world. In summary one can say that Bert Green, in his conscientious attention to administration, his genuine interest in students, his service to the community as a whole and his wide ranging and highly original research was a very good example of what a university professor should be.

—Emeritus Professor Angas Hurst,
Department of Physics,
University of Adelaide

Annual General Meetings

SCIENCE CHAPTER AGM

The Science and Mathematical Sciences Chapter invites its members to the Annual General Meeting to be held in the Gallery, level 6, Union House, at 6:00pm on Wednesday 31 March.

Last year's activities will be reviewed and this year's program discussed. There will be a presentation about the Mentor Program for Science Students which is being supported by the Alumni Chapter. Elections of committee members for 1999. Sandwiches, tea, coffee and juice will be offered.

JOHN BRAY LAW CHAPTER AGM

The Annual General Meeting of the John Bray Law Chapter was held on Monday 8 March in the Conference Room of the Supreme Court Library.

The Hon Justice Margaret Nyland was re-elected President of the Chapter. Other Committee members elected were: Mr Martin Keith (Secretary), Ms Maria Panagiotidis (Treasurer), Professor John Keeler, Mr Phillip Broderick, Mr Sathish Dasan, and Mr Michael Davis. Ms Kym Taylor and Mr Haroon Hassan were co-opted by the Committee to assist with young alumni and student projects. The Hon Mr Len King continues in the capacity of Past President, and the Dean of Law, Professor Michael Detmold, remains a member of the committee *ex officio*.

The Chapter reported a healthy financial position, and outlined a busy program of activities for the year.

Mutual Community Postgraduate Travel Grants

Doctoral students are advised that applications are now open for the first round of Mutual Community Postgraduate Travel Grants for this year.

There are three grants, each of \$2500, available to support students wishing to travel in order to present work at a conference or to learn a particular method necessary to their work at another institution.

Forms may be requested from the Alumni Office. Telephone 8303 3196 or email adrienne.eccles@adelaide.edu.au

Applications close 5:00pm, Friday 9 April.

INVITATION

Department of Environmental Biology Graduation Dinner

The Department of Environmental Biology invites all past and present graduates and staff of the Departments of Botany and Zoology, undergraduates, their families and friends to the 1999 Graduation Dinner at the Ballroom, Hindley Parkroyal on Thursday 29 April 1999, 7.00pm for 7.30pm.

Cost: including 3 course meal and coffee, \$32 pp, enrolled students and graduands \$27 pp. There will also be a cash bar available.

PRIZES WILL BE PRESENTED

Dress: Smart, black tie optional.

Tickets: Available from the Department of Environmental Biology, tel 8303 5576.

ALUMNI NEWS

CORNELL CHAPTER FILM NIGHT

The Cornell Chapter invites all alumni to a fundraising screening of *Hilary and Jackie*, the story of acclaimed cellist Jacqueline Du Pré and her relationship with her sister Hilary and conductor Daniel Barenboim.

The film will be shown at Palace Eastend Cinemas, Thursday 8 April. Screening 7:15pm. Purchase your ticket from the Alumni Office (tel 8303 4275); tickets will also be on sale in the foyer before the film. \$10 per person, no concessions. Proceeds to the Cornell Chapter.

VALKYRIE SIDECAR TOURS

Feel the power, feel the thrill! Valkyrie Sidecar Tours extends a special offer to alumni.

Enjoy a trip in a chauffeured motorcycle and sidecar, licensed for up to three passengers or to carry a wheelchair passenger. Valkyrie Sidecar Tours are approved by the Department of Transport. Trips start at \$45; \$75 per hour or \$220 for four hours.

When you make your booking, identify yourself as one of the University of Adelaide's alumni and mention that you read of this offer in the *Adelaidean*. The first ten readers of the *Adelaidean* to do this will be offered an extra fifteen minutes' hire FREE in addition to their booked time.

Phone and fax 8268 9391; mobile 0419 804 014.

Advertisement

Michael Young still an inspiration

HE'S considered one of this century's greatest social scientists—the founder of more than 50 non-profit organisations and institutions in Britain, including the Open University, University of the Third Age, and Britain's Consumers' Association, and author of best-selling books on social structure and public policy.

Even at age 84, he's still one of the most active social scientists of our times.

He is Professor Michael Young (Lord Young of Dartington), and recently he was a guest of the University of Adelaide as part of its 125th Anniversary celebrations.

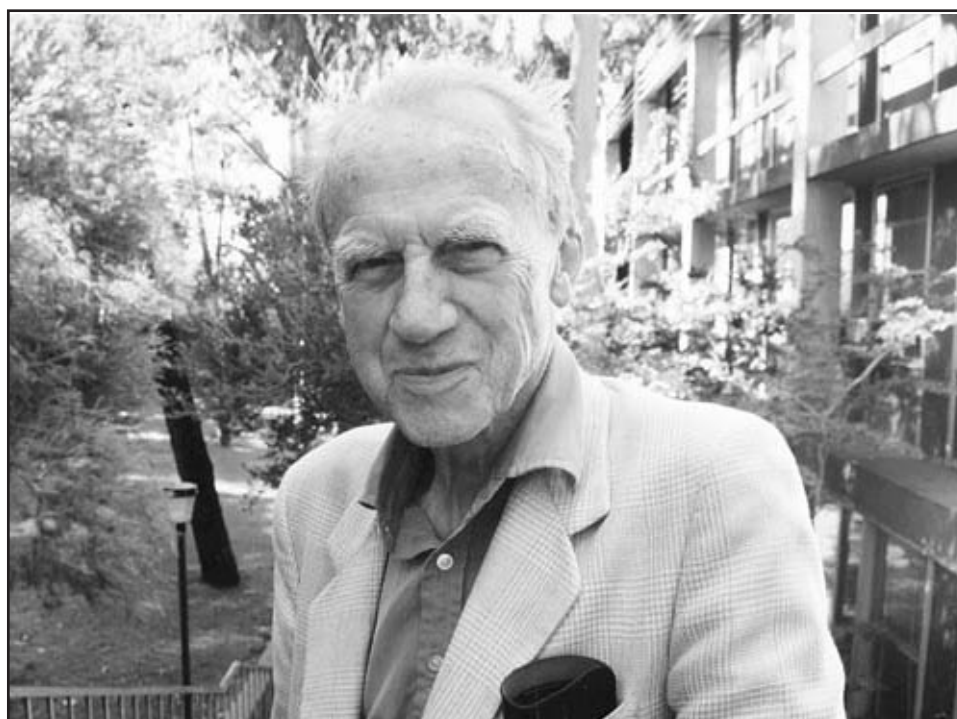
Professor Young's last visit was during the University's centenary in 1974, a year in which he was also awarded a DLitt from the University of Adelaide. He returned to Adelaide early this year, spending several weeks in January, February and March writing chapters for his latest book and giving two lectures about some of his most recent work.

Michael Young first made a name for himself in 1938 when, at age 23, he wrote a prescient article on the manpower policy Britain would need to defeat Germany in the coming war. The influential journal *Political and Economic Planning* published the article, and the next year the journal hired him. Through four years of World War Two he headed the publication, then for six years after the war he ran the Labour Party's research department.

Having tried to persuade the Labour government, without success, that women, children and family life should have more voice, in 1953 he ventured out on his own and founded the Independent Institute of Community Studies, which continues to this day. Its research has touched on many areas of social and public policy, and it has been the starting point for many new and influential non-profit institutions.

One of Professor Young's first major research projects was a study of the social structure and life of the people of Bethnal Green, a crowded East London slum area. What he and his colleagues found surprised them.

A high proportion of the three generations living there had been born there, and family and kinship networks were strong and effective. More than half of workers' jobs were found through uncles, cousins and other relatives. And the society was highly matriarchal—women's net-



Professor Michael Young: one of this century's greatest social scientists in Adelaide.
Photo: David Ellis

works protected one another from masculine maltreatment at every level.

This research, published in the book *Family and Kinship in East London* (1957), is one of the main reasons for Professor Young's return to Adelaide.

Forty years on, Professor Young and colleagues have repeated their study, looking now at the family networks of the Bangladeshi immigrants and their children who live at Bethnal Green.

Wanting to shape his research into yet another book (the first was a best-seller, and highly regarded) Professor Young felt he needed to escape his hectic lifestyle in London in order to get some writing done.

"I was glad to come back to Australia," Professor Young said.

"I spent part of my childhood in Australia because my father was a violinist from Bendigo, and I have relatives in Victoria and New South Wales.

"I was first invited to come to Adelaide by my friend Hugh Stretton to give a lecture during the University of Adelaide's centenary celebrations, and I've strangely felt at home in Adelaide both then and now."

Professor Young's new book deals mainly with race relations between the Bangladeshi and white populations of Bethnal Green. He said relations have been strained between the two groups for many years, but some progress has been made.

"Fifteen years ago there were riots and great trouble, but now it seems the white people have got over the shock of it—they've got used to having coloured people in their midst. They've made friends, their children have made friends with Bangladeshi children at school, and so on.

"Competition for housing, jobs, and quality of education have been some of the main problems, but the outlook has been improving and is now fairly positive."

Between writing publications, Professor Young conceives, inspires and creates new institutions. Most of these enable people to do things for themselves and others which neither business or government will do for them, or not as well.

The latest of these ventures is a School for Social Entrepreneurs, a bold move aimed at creating a training ground "for people high-minded enough to be concerned about what is wrong with society, and hard-headed enough to do something about it".

Professor Young, who has now left Adelaide, said this time he was hoping not to stay away so long.

"I've found Adelaide to be extremely conducive to my writing. It's been very fruitful and I've found my time here worthwhile. I'm already hoping to come back next summer," he said.

—David Ellis



531 UV is bucking the current trend and putting resources into the "Back Office"! In the past month the station has refurbished the back area of the station which previously was pretty down-market and not a productive work environment for the many groups and individuals that work at the station. The work was funded through a minor works grant from the University. There will be a launch of the new Back Office on Wed 31 March at 5pm for interested staff.

The station is getting rid of approximately 6000 vinyl records at a Giant Record Sale to be held in a shop in Austin street opposite the Uni (just round the corner from the station) from 4pm on 26 March. The sale continues on 27 & 28 March.

Vale Tom Kurucsev

DR TOM KURUCSEV, a former Head of the Department of Physical & Inorganic Chemistry and the University's Academic Director for the Twinning Project with Sepang Institute of Technology in Malaysia from 1995 until late 1998, passed away peacefully on Sunday 21 February, after a short battle with lung cancer.

Just a week earlier, the Vice-Chancellor had named the University of Adelaide-SIT Scholarship awarded to the top student as the "Tom Kurucsev Scholarship" in his honour.

An obituary will appear in the next issue of the *Adelaidean*.

ACCOMMODATION

AVAIL: Unit - 2 br & walk through rm (can be 3rd br), air cond, carport & shed, close to shops & transport, very close to Nth Adel Aquatic Centre. \$145 pw. Ph Martin 0417 861 103.

GILBERTON: On river park & bicycle track. 2 br, furn t/house, r/c air cond, garage, garden, suit quiet person(s). \$180 pw + bond. Ph 8362 5332 or 8303 6038, email <nellis@chariot.net.au>.

HOUSE SITTER AVAIL: Graduate student, non smoker, reliable, experienced with refs, avail for any term up to 13 mths. Ph Jon 8272 0691 or 0412 332 399, email: <jonat2000@hotmail.com>.

LOIRE VALLEY: Self-contained flat in small

market town of Ligueil, ideal for a couple. Lge bed sitting rm, shower rm & wc, kitchen/dine with balcony. Optional extra twin-bedded rm & bathroom. Ph/fax Vera Taylor (0011) 33 2 4759 9833 or John Edge 8303 4030.

NORTH ADELAIDE: Fully furn rm avail for 3 mths, May-Aug, 10 min walk to city. \$75 pw. Ph 8267 6569 (after 6pm).

NORTH ADELAIDE: 2 br apartment, fully furn including linen, good security, lift, air cond, laundry, bath, covered carpark. \$300 pw. Ph Penny 8362 8888 or 0413 623 881.

TENNYSON: Absolute beachfront, fully furn, 3 br house avail for 6-8 mths from April. Ph 8269 2892.

WEST BEACH: Fully furn

ADELAIDEAN CLASSIFIED

house, 2 br + study, very close to sea & transport, suit visiting academic or professional couple. Ph 8356 9582 or 8201 2377.

WANTED: Visiting academic, wife & baby require fully furn house, prefer with pool, in Eastern suburbs for 1 year from 25 July 99. Ph Henk 8431 5202 or email: <Peterson@camedtech.net.au>.

WANTED: Visiting academic seeks furn accom suitable for family of 4 with good public transport to Uni from 29 June - 3 Sept 99. Ph Wes Pue, Faculty of Law, University of British Columbia, Vancouver,

Canada V6T 1Z1, fax (604) 822 6525 or email: <wpue@interchange.ubc.ca>.

FOR SALE

CAMIRA: 1985 SLX, 5 speed, rad/cass, 9 mths reg, NDX 582. \$790 ono. Ph Mark 0416 318 184 or email: <hedge4598@yahoo.com>.

COMPUTER: IBM300MMX, 15" SVGA monitor, 4.3 Gb HDD, 32 CD, 32 Mb RAM, speakers, printer, keyboard, mouse, computer desk. \$1,270. Ph 8338 4152.

COMPUTER: 486 Contura Aero 4/33C, colour, 8 Mb RAM, 850 MB HDD,

modem, Win 95, Microsoft Office, case, \$500. Ph 8297 1848.

HONDA CIVIC: 1974, auto, rebuilt engine, no rust, good tyres & cond. SRK 697. \$1,000 ono. Ph 8371 4192.

MISC: Fridge, painted red, \$80. Television, slightly decrepit looking but works fine, \$50. Draughting table, grey, \$75. Video cabinet, black, \$35. Coffee table, \$20. Single foam mattress & pillow, \$15. Ph 8354 1747.

SUBARU: Leone GL, 1985 sedan, auto, low kms, power steer, imac cond. UHO 595. \$5,850 ono. Ph Joanne 8303 5122 or 8347 0146.

UNIT: Walkerville - spacious, 2 storey, 3 br, 2 bathrms, 3rd wc, gas heating, air cond, rear courtyard. Ph 8269 2892.

TENDER

LATHE: Gornati Leopard. Offers in writing to Ron Jager, Engineering Workshop by 1 April 99. Ph 8303 5870.

MISCELLANEOUS

CLASSICAL GUITAR TUTOR: Avail for beginners to advanced, Gilberton area. Ph Alexei 8344 6202 or email: <tripleas@ozemail.com.au>.

SCUBA DIVING: Indonesia dive tour, 15 - 27 May 99. \$1,850 all incl. Ph 8303 4464 or email: <jping@arts.adelaide.edu.au>.

STUDY CARRELS: Approx 30 carrels offered to depts of the Uni at no charge. Ph Richard 8303 5348 or email: <rfinlay@library.adelaide.edu.au>.

Bulletin Board

MARCH 22, 1999

THE UNIVERSITY OF ADELAIDE

PAGE 1

Medical Terminology Course

(No entry or age requirements)

The Medical Registrar of Australia will be conducting a course in Medical Terminology. This course is directed at doctors' receptionists and secretaries, those seeking employment in this field and also interested members of the general public. Those associated with medical/legal matters or medical claims would also find the course of benefit.

There are no entry requirements. All lecture notes supplied. There are no exams. A certificate based on attendance is granted on completion of the course.

Venue: University of Adelaide

Duration: 13 weeks, with one 2 hour lecture each week

For further information phone the Registrar's Office - Mondays to Thursdays, 9.00am - 4.00pm: **1800 501 651**

Retirement of Professor Bob Warner

Professor Bob Warner will be retiring on 31 March 1999 after providing a leadership role in research and teaching in Civil Engineering for 20 years.

The Department of Civil & Environmental Engineering will be holding a cocktail function on Tuesday 30 March 1999 from 5.00pm to 6.30pm in the Frank Bull Design Studio (Room S127) Engineering South Building.

Bob Warner's colleagues and friends at the University are cordially invited to attend the function to wish him well in his retirement.

For catering purposes, please RSVP Berni Gollidge by Tuesday 23 March 1999. Ph: 8303 5135, Fax: 8303 4359, or email <bgollidge@civeng.adelaide.edu.au>.

National Textile Museum of Australia: 1999 Exhibition Program

Open Wednesday to Sunday, 11.00am - 4.00pm. Admission \$5.00. Urrbrae House, Waite Campus, University of Adelaide, Fullarton Road, Urrbrae. Tel 8303 6728.

OUT OF THE CLOSET: Commemorating 25 years of Australian textile art. Open until 9 May.

TRAVELLER'S TREASURES: Personal textile favourites and how they came to be part of the family. 22 May - 18 July.

RETURN TO TRADITION: 16 days only, a selling exhibition of rugs from the DOBAG natural dye research project in Turkey, 24 July - 8 August.

FAUX FRILLS: Textile treatments for performance costume, taken from the wardrobe of the Australian Ballet. September - November.

MONDAY 22 MARCH

12.30pm Icons of Oz mini-fest: Film: Gallipoli, Union Theatre. 6.30pm Public Lecture: The Digger by Emeritus Professor Ken Inglis (author), Napier 102.

1.00pm Law Seminar: Posthumous Reproduction and the Limits of Autonomy by Dr Belinda Bennett (Law School, Sydney University). Room 216, Ligertwood.

1.10pm History Seminar: Lloyd George's War Memoirs Reconsidered by Professor Norman Davies (Emeritus Professor of Polish History, University of London). Seminar Room 420, 4th Floor, Napier Building.

2.00pm English Seminar: Deprivation and Excess in the Novels of Emile Zola by Phil Waldron and Samuel Beckett's Indifference Engines by Russell Smith. Room 618, Napier Building.

4.00pm Applied and Molecular Ecology Seminar: Structure and function of uridine diphosphate glucuronosyltransferases by Dr Peter MacKenzie (Clinical Pharmacology, Flinders University). McLeod Lecture Theatre, Waite Campus.

8.00pm Classical Association of South Australia: Why are some Greek Vases so Valuable? (aesthetically, monetarily and as social documents) by Paul Ritchie. Room 723, Level 7, Hughes Building.

TUESDAY 23 MARCH

12noon Plant Science Seminar: Molecular approaches to the selection and breeding of improved olive varieties by Dr Graham Collins (Horticulture, Viticulture & Oenology). Charles Hawker Conference Centre, Waite Campus.

12.30pm Icons of Oz mini-fest: Film: Priscilla: Queen of the Desert, Union Theatre. 6.30pm Public Lecture: The Drag Queen by Dr David Murray (Anthropology), Napier 102.

1.00pm Microbiology & Immunology Seminar: Integrons and gene cassettes: making antibiotic resistance and other genes mobile by Dr R Hall (Molecular Science, CSIRO, Sydney). Dept Library, 5th Flr, Medical School South.

7.30pm Musicological Society of Aust / Elder Conservatorium, School of Performing Arts Lecture Recital: The Unmeasured Preludes in Brussels Manuscript MS 27220: A Seventeenth Century Source of French Keyboard Music by harpsichordist Katrina Brown. Hartley Concert Room, Kintore Avenue. Refreshments provided; gold coin donation.

COMING EVENTS

March 22nd — 1st April

WEDNESDAY 24 MARCH

10.10am Electrical & Electronic Engineering Seminar: Passive Millimetre-Wave Collision Avoidance Sensors by David Goodfellow. Lecture Room S112, Engineering South.

12.30pm Icons of Oz mini-fest: Film: Year of the Dogs, Union Theatre. 6.30pm Public Lecture: The Game by Dr M Lindley (Uni of Tasmania), Napier 102.

1.10pm Geology & Geophysics Seminar: Luminescence Dating Towards Million Years by Emeritus Professor John Prescott (Physics & Maths Physics). Mawson Lecture Theatre.

1.10pm Student Workshop: Support for students with specific learning difficulties by Sue Barnard. Counselling Centre, Ground Flr, Horace Lamb Building.

1.10pm Genetics Seminar: Family values - Nomenclature's new challenge by Dr Hester Wain. Seminar Room, Ground Floor, Fisher Building.

4.00pm Physiology Seminar: A novel role of sulfonyleurea receptors in regulating the Ca²⁺ sensitivity of exocytosis by Dr M Roberts. Room N416-417, Medical School Nth.

THURSDAY 25 MARCH

12noon HCCR/IMVS Seminar: FAT chance of immunomodulation: can chemically engineered Fatty Acids lead the way? by Prof Ferrante. Verco Theatre, IMVS.

12.05pm Psychology Seminar: Military C2 technology: One role for a psychologist? by Mr Rob Fernall (DSTO). Room 527, Level 5, Hughes Building.

12.30pm Icons of Oz mini-fest: Film: Muriel's Wedding, Union Theatre. 6.30pm Public Lecture: The Wedding by Dr C Driscoll (English), Napier 102.

1.00pm Chemical Pathology Seminar: Weather and Forecasting by Mr Andrew Watson (Senior Forecaster, Weather Bureau of SA). Seminar Room 1, 4th Floor, Clarence Rieger Building, WCH.

FRIDAY 26 MARCH

12.30pm Icons of Oz mini-fest: Film: 1998 Telstra Adelaide Festival, Union Theatre. 6.30pm Public Lecture: The

Festival by Robyn Archer (Artistic Director, Adelaide Festival 1998 & 2000), Napier 102.

12.45pm Dental School Seminar: ANZ Dental: What is it and what is it for? by Dr Tracey Winning. Lecture Theatre 1, 6th Floor, Adelaide Dental Hospital.

1.00pm Biochemistry Seminar: Regulation of cell cycle checkpoints by the ATM protein kinase by Dr Khanna. Room 209, 2nd Floor, Darling Building.

1.10pm Asian Studies Seminar: Post Cold War Japanese Foreign Policy by Jun Morikawa (Rakuno Gakuuen Uni, Japan). Room 528, Ligertwood Building.

1.10pm Elder Conservatorium Lunch Hour Concert: Maureen Smith - violin, Simon Rowland-Jones - viola, Lucinda Collins - piano. Works by Martino, Mozart & Bartok. Elder Hall. Admission \$2.

3.30pm Agronomy & Farming Systems Seminar: Soil strength characteristics by Dr R Murray (Soil Science). Seminar Room, AFS, Roseworthy.

4.00pm Economics Seminar: Topic to be advised, by Dr BWickstroem (Institute of Public Economics, Humboldt University, Berlin & ANU). Napier LG 14.

MONDAY 29 MARCH

12noon Plant Science Seminar: Genetic engineering of crops for herbicide resistance: boon or bane for agriculture, environment and society by Associate Professor Rick Roush (Applied and Molecular Ecology). Charles Hawker Conference Centre, Waite Campus.

1.00pm Microbiology & Immunology Seminar: E coli type 1 fimbriae: gene regulation and epitope display by Dr Mark Schembri (SA Water / formerly Microbiology, Danish Technical University, Denmark). Departmental Library, 5th Floor, Medical School South.

1.00pm Clinical & Experimental Pharmacology Seminar: TDM from HPLC to EBM by Dr Sepehr Shakib (Clinical Pharmacology, Flinders). Seminar Rm, 6th Flr, Medical School Nth.

1.10pm History Seminar: The Second World War and Eastern Europe by Prof Norman Davies (Uni of London). Seminar Room 420, 4th Floor, Napier.

4.00pm Applied and Molecular Ecology PhD Seminar: Directed

evolution of disease suppressive bacteria - the role of root lesions on take-all diseased wheat by Stephen Barnett (Postgraduate). McLeod Lecture Theatre, Waite Campus.

TUESDAY 30 MARCH

1.00pm Anatomical Sciences PhD Research Proposal Seminar: Characterisation of the major cytoskeletal components of marsupial sperm flagellum by Mario Ricci. Room S127, Medical School, South Wing.

WEDNESDAY 31 MARCH

10.10am Electrical & Electronic Engineering Seminar: Nonlinear Systems and Nonuniform Sampling by Professor Ken Lever (Professor of Communication Signal Processing). Lecture Room S112, Engineering South.

1.10pm Geology & Geophysics Seminar: Mean Sea Level and World-wide Deforestation: An Unexpected Interaction by Emeritus Prof John W Holmes (Flinders Uni). Mawson Lecture Theatre.

1.10pm Genetics Seminar: Evolutionary tales of symbiotic viruses in parasitic wasps by Prof O Schmidt. Seminar Room, Ground Floor, Fisher.

4.00pm Physiology Seminar: Neural and mechanical coupling of movements of the fingers by Dr A Fuglevand. Room N416-417, Medical School Nth.

4.30pm Environmental Biology Seminar: Gobbledegook and how to avoid it by A/Prof T Burton (English). Benham Lecture Theatre.

5.00pm SA Division of the ASMR Workshop: Dendritic Cells: Basic Science Moving into the Clinic by Professor Dereck Hart (Mater Medical Research Institute, University of Queensland). Followed by Supper and Wine 6.00pm; ASMR Political Update 6.30pm. Verco Theatre, IMVS.

THURSDAY 1 APRIL

12noon HCCR/IMVS Seminar: High Density Lipoproteins and Regulation of Endothelial Cell Adhesion Molecule Expression by Dr P Baker (Lipid Research Unit, HCCR). Verco Theatre, IMVS.

12.05pm Psychology Seminar: Transliminality by Dr Michael Thalbourne. Room 527, Hughes Building.

4.00pm Economics Seminar: Reforming welfare states in post-communist countries by Prof Nick Barr (London School of Economics). Napier LG14.

SITUATIONS VACANT

****Applications for the following vacancies will be considered only from members of the staff of the University**

PERSONAL ASSISTANT (Ref: 4019)

Office of The Deputy Vice-Chancellor (Education)
Salary HEO4 \$30,736 - \$33,808

To coordinate the administrative activities and provide reception services in the Deputy Vice-Chancellor (Education)'s Office and provide high level support to the DVC(E). This will include duties such as maintaining the DVC(E)'s meeting and appointment diary, arranging meetings and appointments, including booking various venues and organising necessary catering, providing a general reception service for the Office, typing, filing and maintaining records, photo-copying, ordering supplies, processing mail, together with related duties when required.

You should have:

- high level administrative, clerical and organisational skills; including experience in the organising and supervising of the upkeep of office records, and knowledge of standard office procedures
- excellent interpersonal skills and the ability to communicate effectively with staff and students
- ability to maintain an appropriate level of confidentiality
- ability to use initiative in problem solving, and to work without close supervision when required
- ability to work under pressure, maintain attention to detail, and to consistently meet deadlines
- demonstrated capacity to work as part of a team
- demonstrated proficiency in the use of desktop computers and an appropriate range of software applications, including Microsoft Word and Excel.

This continuing position is available immediately. Details from Marie Reitano, tel: 8303 5901.

***APPLICATIONS** to Ms M Reitano, Executive Assistant to the DVC(E), DVC (Education)'s Office, University of Adelaide, Australia 5005, by 6 April 1999.

LIBRARY ASSISTANT (End Cataloguing) (Ref: 2935)

Bibliographic Services
Barr Smith Library
Salary HEO3 \$26,725 - \$30,467

To provide coordination and

supervision of the end cataloguing process, to train and supervise support staff and to monitor the workflow.

You should have:

- an understanding of the purpose and function of the National Bibliographic Database and our responsibilities towards it
- an understanding of the basics of relationships between different works (eg editions and reprints, translation, critical works, supplements etc)
- demonstrated ability to resolve problems
- understanding of the role of a supervisor.

This continuing position is available from April 1999. Further information concerning the duties of the position may be obtained from Jordana Arezina telephone: 8303 5225. The duty statement and selection criteria can be obtained from Toni Luppino, tel: 8303 5370.

***APPLICATIONS** should include names and addresses of two referees to the University Librarian, Barr Smith Library, University of Adelaide, Australia 5005, by 29 March 1999.

DOCUMENT DELIVERY ASSISTANT (Ref: 9841)

University Library
Salary HEO3 \$26,725 - \$30,467

To coordinate and participate in the operations of the Document Delivery Unit at Waite Campus. The position is under the general direction of the Lending Services Supervisor. Duties include the verification of requests for document delivery, in particular the non-routine or complex in nature, correspondence with suppliers, maintenance of records and the provision of statistical reports. Supervision and training of staff is involved. Participation in rostered lending services duties is also required.

You should have:

- demonstrated knowledge of ABN Inquiry, the ABN Interlibrary Loan Module and the Dynix system
- demonstrated knowledge of document delivery processes
- an understanding of the role of a supervisor
- demonstrated ability to work as a member of a team.

This is a replacement position, available immediately to 8 March 2000, in the first instance. Further details from Betty Radford tel: 8303 6572. The duty statement and

selection criteria can be obtained from Toni Luppino, tel: 8303 5370.

***APPLICATIONS** should include names and addresses of two referees to the University Librarian, Barr Smith Library, University of Adelaide, Australia 5005, by 29 March 1999.

****** includes only those persons who hold current written contracts of appointment with the University.

Applications for the following vacancies are not restricted to members of the University.

SENIOR RESEARCH FELLOW/SENIOR LECTURER IN HUMAN EMBRYOLOGY, HEAD OF THE GAMETE LABORATORIES IN THE REPRODUCTIVE MEDICINE UNIT (Ref: 3995)

Department of Obstetrics and Gynaecology
Salary \$59,332 - \$68,415

The Reproductive Medicine Unit located at The Queen Elizabeth Hospital, provides services in the area of reproductive medicine, including in vitro fertilisation. A position is being offered to applicants with outstanding administrative and research skills in the area of reproductive biology relating to embryology and gametes. The successful applicant should have a proven track record in research, including evidence of excellence and leadership, and should have extensive experience in human or animal embryology programmes. The successful applicant will lead the gamete laboratories (IVF and Andrology) and provide the interaction with the clinical services of a unit with an international reputation.

You should have:

- a PhD in a relevant discipline
- research and management experience in an embryology laboratory, preferably but not necessarily with a human background
- in the case of a Senior Lecturer, some teaching may be required in Reproductive Biology subjects taught by the Department.

The position is available immediately for twelve months with ongoing renewal, subject to satisfactory performance. Further information concerning the duties of the position including the selection criteria may be obtained from Prof R Norman tel: 8222 6788, fax: 8222 7521 or Prof JS Robinson tel: 8303 5100 or fax: 8303 4099.

***APPLICATIONS** to the General Manager, Human Resources, University of Adelaide, Australia 5005, by 9 April 1999.

RESEARCH ASSOCIATE/POSTDOCTORAL FELLOWSHIP IN INSECT SYSTEMATICS (Ref: 3996)

Department of Applied & Molecular Ecology
Salary: \$37,779 - \$46,013**

A highly motivated insect systematist is required to undertake research on the taxonomy and phylogeny of Australian braconid wasps, and to assist with a number of related projects. The position is funded by the Australian Biological Resources Study and the Australian Research Council.

The Department is based on the Waite Campus which is a major centre in Australia for research on insect ecology, molecular biology, biological control and biodiversity. Other members of the Department are conducting research on parasitoid-host relationships at a molecular level and the ecology and behaviour of parasitic wasps.

You should have:

- a higher degree or submission of a PhD in insect systematics or other relevant field
- appropriate research experience in insect systematics
- a solid grounding in systematic/taxonomy of parasitic wasps
- proven ability in descriptive taxonomy, cladistic methodology, scanning electron microscopy, and computer manipulation of digitised images

******A minimum of \$42,864 is payable to the holder of a PhD.

The position is available immediately for up to three years. Further information concerning the duties of this position and the selection criteria may be obtained from Associate Professor Andrew Austin, tel: 8303 7265, fax: 8379 4095, email: <aaustin@waite.adelaide.edu.au> or Professor Otto Schmidt, tel: 8303 7269, email: <oschmidt@waite.adelaide.edu.au> Information on the Campus and Department can be accessed at <<http://www.waite.adelaide.edu.au/AME>>

***APPLICATIONS** to the Head, Department of Applied and Molecular Ecology, University of Adelaide, Waite Campus, PMB 1, Glen Osmond, SA 5064 by 7th April 1999.

RESEARCH ASSOCIATE/POSTDOCTORAL FELLOW

Physiological Ecology
(Ref: 4020) (Fixed-term, 0.8FTE)

Department of Environmental Biology
F/t Salary: \$33,905 - \$46,013**

We are seeking a physiological ecologist to manage part of a research project which relates burrow structure, metabolic physiology and social structure of hairy-nosed wombats. The project is funded by an ARC grant to Professor Russell Baudinette.

You should have:

- a PhD in some aspect of ecology/ecophysiology
- experience in handling large mammals in a field situation
- experience in quantitative ecophysiology
- experience in a relevant area of molecular biology or metabolic physiology
- demonstrated experience in managing part of a field/laboratory project.

******A minimum of \$42,864 pa is payable to the holder of a PhD.

The position is available for 12 months in the first instance, with the possibility of renewal to a maximum of three years, subject to continued funding. The selection criteria are available from Professor Russell Baudinette, tel: 8303 5597, email: <Head.Envbiology@adelaide.edu.au> or visit <sciweb.science.adelaide.edu.au/Envbiol>.

***APPLICATIONS** to Professor RV Baudinette, Head, Department of Environmental Biology, University of Adelaide, Australia 5005 by 31 March 1999.

RESEARCH ASSISTANT (Ref: 3997)

Department of Physiology
Salary: \$33,905 - \$46,013

To work on a NH&MRC funded project in the Autonomic Nervous System laboratory, investigating the causes of a range of diseases affecting autonomic neurons.

The successful applicant will be an enthusiastic and motivated member of the laboratory, performing organ bath pharmacological experiments on isolated tissues, computerised data analysis and immunohistochemical studies as part of ongoing research to investigate the effects of antibodies from patients with autoimmune diseases on the function of the autonomic nervous system.

You should have:

- a BSc in neuroscience, physiology or pharmacology or equivalent
- experience in pharmacological studies of isolated tissues and/or multiple-labelling immunocytochemistry.

The position is available immediately until 31 December 2000. Further details about the duties of the position, including the selection criteria may be obtained from Dr Sally Waterman tel: 8303 3359. Information about the Department is available at <<http://www.sciweb.science.edu.au/physiology/home.nsf>>.

***APPLICATIONS** should include the names and addresses of two referees to the Head, Department of Physiology, University of Adelaide, Australia 5005 by 2 April 1999.

ADMINISTRATIVE ASSISTANT (Ref: 8925)

Australian Music Examinations Board / Elder Conservatorium - School of Performing Arts
F/t Salary HEO2: \$25,388 - \$26,992
\$17,771 - \$23,103 (Junior rates)

Duties will include data input and retrieval, preparation of materials relating to examination procedures and general office duties.

You should have completed Year 12 or have an equivalent level of experience and training, with good interpersonal and communication skills and familiarity with the use of computers.

This continuing position is available immediately. The appointee will be employed initially for three days per week until 2/7/99 and then full time until 10/12/99 with a similar pattern applying each year. Please contact the Dean's Office on 8303 3681 for the duty statement and selection criteria.

Please send applications (in duplicate) addressing the selection criteria, and including names and addresses of three referees to the Dean, Elder Conservatorium - School of Performing Arts, The University of Adelaide, Australia 5005 by 26 March 1999.

EMPLOYMENT INFORMATION

***APPLICATIONS, IN DUPLICATE**, addressing the selection criteria and quoting the relevant reference number should include names and full addresses of three referees. The address for applications is C/- the Department or Officer named in the advertisement. Selection criteria and applicable duty statement may be obtained from the contact officer named in the advertisement.

NOTICE TO APPLICANTS: Applicants for all positions should retain the relevant reference number and watch the "Notice to Applicants" column in the *Adelaidean* for advice about the filling of the position.

NOTICE TO APPLICANTS: The University notifies applicants that the following vacancies for Higher Education Officers (HEO) with the reference numbers as stated have been filled and thanks them for their interest:

4756 HEO4, Clinical Nursing; 4993 Medical Research Assistant, Faculty of Medicine; 3779 HEO6 and 3778 HEO8, Faculty of Medicine; 2639 HEO3, Pure and Applied Mathematics; 3710 HEO5/6, Obstetrics and Gynaecology, Women's and Children's Hospital; 3782 HEO5, Faculty of Health Sciences.

HUMAN RESOURCES DEADLINES FOR ADELAIDEAN

For the *Adelaidean* of 19 April, advertising paper work must be to Human Resources by 1 April.

For the *Adelaidean* of 3 May, advertising paper work must be to Human Resources by 16 April.

HR WEB PAGE for advertised positions
<http://www.adelaide.edu.au/HR/advpos.htm>

GENERAL NOTICES

Student Evaluation of Teaching (SET)

The Advisory Centre for University Education (ACUE) provides a service to all University teaching staff who wish to evaluate their teaching. This service is known as Student Evaluation of Teaching (SET).

Staffing wishing to use SET for the first time should contact the Evaluation Service Office, ext 33496/33023, for a copy of the package.

The SET package contains a User Manual, appropriate evaluation request forms, and some information concerning applications for promotion and tenure. The service is free of charge and is available to all teaching staff of the University.

Due to high demand for SET questionnaires, and to the fact that the Evaluation Service is currently staffed by one full-time person only, please send your evaluation request forms to the ACUE at least **four weeks prior to the planned date of your evaluation.**

It is ACUE policy that all requests are placed in a queue determined strictly by date of receipt. Requests which do not allow sufficient lead time may not be processed.

We recognise that occasionally there will be circumstances where a staff member will need to request an evaluation service but cannot give the required minimum notice. In these cases a service will be provided within 5 working days and a priority fee of \$75 charged.

Professional & Continuing Education Courses

Courses below are offered through Professional and Continuing Education. Please call 8303 4777 or email <conted@oce.adelaide.edu.au>.

PROFESSIONAL & PERSONAL DEVELOPMENT SERIES

Making Professional Presentations:

Wednesday 24 & 31 March (9am - 12.30pm) both days. Cost: \$165

COMPUTER SKILLS

Excel - Advanced: Thursday 25 March (9am - 4pm). Cost: \$165

Creating and Administering a Small Web Site: Tuesday 30 March (9am - 12.30pm). Cost: \$95

Excel - Introduction: Thursday 1 April (9am - 4pm). Cost: \$165

Introduction to PC and Windows: Thursday 8 April (9am - 4pm). Cost: \$165

Power Point: Friday 9 April (9am - 4pm). Cost: \$165

Keyboard Skills: Monday 12 April (9am - 4pm). Cost: \$165

PROFESSIONAL COMMUNICATION AT WORK SERIES

Negotiating Effectively - Getting to Yes: Thursday 25 March (9am - 4.30pm). Cost: \$165

SUPERVISORY DEVELOPMENT & ADMINSTRATOR SERIES

The Effective Administrator: Friday 26 March (9am - 4.30pm). Cost: \$165

BUSINESS DEVELOPMENT SERIES

Financial Planning and Budgeting: Tuesday 30 March (9am - 4.30pm). Cost: \$165

PROFESSIONAL COMMUNICATION SERIES

Writing Letters and Reports: Friday 9 April (9am - 4.30pm). Cost: \$165

Sexual Harassment Contact Officer and Facilitator Training

The Equal Opportunity Office is running training courses in April for University staff who are interested in becoming a sexual harassment contact officer or facilitator. The training is free of charge. Whilst all staff are welcome to participate, we particularly encourage male staff and academics to nominate for this training since these two groups are under-represented in the current group of contact officers and facilitators. Being a Contact Officer or Facilitator is not a formal part of the duties of university staff but is evidence of service to the University.

What is a Sexual Harassment Contact Officer?

The role of a Contact Officer is to:

- be a first point of contact for complainants or potential complainants
- give information, options and discuss possible strategies, or outcomes available through the University's sexual harassment complaint resolution procedures
- assist the complainant formulate a complaint and determine desired outcomes
- support the complainant throughout any stage of the chosen complaint resolution process, without becoming involved in negotiations between the complainant and respondent.

Useful skills for those wishing to become a Contact Officer include:

- good interpersonal skills (listening skills, basic counselling skills)
- ability to remain calm in stressful situations
- an interest in how policies work.

What is a Sexual Harassment Facilitator?

Under the sexual harassment policy and procedures, the University has allocated responsibility to a group of people to act as Facilitators if approached by a complainant and also to be available to be a member of an investigation panel in a case of a formal complaint.

Facilitation is where a third person assists a complainant and the respondent to find a satisfactory resolution to the complaint through a joint meeting.

Facilitation of a sexual harassment complaint is considered to be an

informal part of the sexual harassment complaint resolution procedures and the outcome of a facilitated resolution is not officially recorded on university files (unless it is part of a mutually agreed outcome).

Useful skills for those wishing to become a Facilitator

A member of staff or a student wishing to become a Facilitator would be expected to have a track record in the relevant areas of skill (eg excellent interpersonal skills and knowledge of conflict resolution principles) or demonstrate the potential to acquire these skills. In addition, those wishing to be trained as a Facilitator will be asked to write a short statement in support of their application.

Sexual Harassment Contact Officers (2 day course): Thursday 15 April and Tuesday 20 April.

Sexual Harassment Facilitators (2 day course): Monday 19 April and Wednesday 21 April.

After the Training

Following the training, potential Contact Officers and Facilitators will be asked to decide whether or not they wish to take on the role, and may be interviewed to determine their suitability.

Further Information

For further information about the role of Sexual Harassment Contact Officer or Facilitator, please refer to the University's Sexual Harassment Policy and the Guidelines for Facilitating Complaints of Sexual Harassment, or contact: Jane Copeland ext 34254, email: <jane.copeland@adelaide.edu.au> or Andi Sebastian ext 34457, email: <andi.sebastian@adelaide.edu.au>.

To register

Contact Eugene Warrior of the EO Office on ext 35962 or by email <eugene.warrior@adelaide.edu.au>.

Signage

Following a recent restructure within Property Services, the manufacture and installation of signage is now being provided by an external supplier

The Branch continues to be responsible for signage on the University's four campuses and will monitor the appointed contractor, work standards and costs.

The selected signage contractor is Associated Signs.

Contact: Geoff Cugley, Phone: 8234 9511, Fax: 8234 9202
Email: <AssociatedSigns@senet.com.au>, Address: Unit 2, 348-350 Richmond Road, Netley, 5037.

This company has undergone the University's contractor induction process and is aware of signage standards, health & safety requirements and other matters related to working on our campuses.

Customers may contact Associated Signs direct or Property Services Reception, extension 35701 if they require any assistance or advice regarding signage. University Purchase Orders made out to Associated Signs must accompany all requests for work.

JOHN LARWOOD
Manager, Projects and Facilities

LUMINIS SNAPSHOTS

Recently I replaced the assorted magazines on our reception area's coffee table with a photo album of press clippings and photos about the work and role of Luminis. I don't claim that this is a unique idea of ours, having recently seen similar albums in the reception areas of EDS and The Playford Centre.

Here is a "literary snap shot" of recent projects and activities involving Luminis and its associates:

DADANCO, the air-conditioning company based on the intellectual property of Vladimir Petrovic and Professor Sam Luxton, was recently quoted in the daily press as looking towards considerable business growth and profits in the next 12 months of trading. Congratulations go to these entrepreneurs and their team of employees.

The **Olympic Torch** recently had its public launch, surrounded by much fanfare and controversy. The University of Adelaide's Departments of Chemical Engineering and Mechanical Engineering and Thebarton-based company Fuel & Combustion Technology are to be congratulated, as they are the ones responsible for designing the torch's burner and fuel supply. (FCT also licences its core technology from Luminis and the University.) Let's hope that we can soon have an Olympic Torch on display somewhere on campus!

Peter Hart, our Managing Director, recently presented the Luminis Prize for Supervised Project Work at the Graduate School of Management's annual prize-giving ceremony. The 1998 prize was awarded to Elizabeth Forsyth for her study entitled "Measuring and Delivering Quality in Open Employment Services for People with Disability: Is a System of Compliance to Performance Standards in Conflict with Furthering Quality in Service Delivery for Customers?"

Coincidentally, and of interest to Luminis, is that Telstra recently awarded a contract to the **Centre for Telecommunications (CTIN)** to carry out research in the area of employing disabled people in their industry.



Peter Hart presents Elizabeth Forsyth with her prize.

Dr Anthony Cheshire in Botany has recently been commissioned to conduct an overview of the conservation status of Australian Marine Macroalgae and Microalgae.

Funded by Environment Australia, the project will develop a national overview of the conservation status of Australian marine macroalgae and microalgae and recommend conservation priorities and research and management actions, with particular emphasis on threatened taxa, as proposed by the Endangered Species Program (Environment Australia).

The project recognises the global conservation significance of the marine plant diversity of Australia, particularly amongst the macroalgae of southern Australia, which represents one of the richest and most unique marine flora's in the world.

Dr Jocelyn Davies, Applied and Molecular Ecology, in conjunction with Ian Overton, Mapping and Beyond, a Luminis Company, have recently been commissioned by the Aboriginal Lands Trust to develop a South Australian Aboriginal Land and Natural Resources Strategy. Considerable use will be made of the expertise at Mapping and Beyond to create maps specific to the compiled GIS data.

Luminis has just completed a market analysis for the **High Temperature Coal Ash Rheometer**. The client is the CRC for New Technologies for Power Generation from Low Rank Coal.

The ash rheometer was developed at the University of Adelaide by a research team from the CRC for New Technologies for Power Generation from Low-Rank Coal. Project Leader is Dr Dzuy Nguyen from the Department of Chemical Engineering.

The CRC is seeking to commercialise this intellectual property and contracted Luminis to undertake a market analysis for this product. The immediate primary market has been identified as research institutions and commercial entities requiring coal ash flow data.

The secondary market is identified as research institutions and commercial entities requiring data which will assist in metallurgical processing, welding and joining, die-casting of semi-solid materials and molten polymer and plastic moulding and extrusion. The size of this potential secondary market is significant.

For more information about Luminis or its associates feel free to contact me on (08) 8303 5020.

PAUL SZUSTER
Business Development Manager

VOLUNTEERS REQUIRED

The Clinical Research Unit requires healthy male volunteers aged 18 to 55 years to participate in clinical trials. All trials are fully approved by an ethics committee.

Trials will be held at CMAX Pty Ltd, located the Royal Adelaide Hospital, Level 5, East Wing, North Terrace. Participants in trials will receive financial reimbursement for any associated inconvenience.

For more information call 1800 150 433.

Medical Research in Africa

MEDICAL OFFICER URGENTLY NEEDED TO HELP STAFF A CLINICAL RESEARCH PROJECT IN RURAL SOUTH AFRICA

The world's largest funder of biomedical research, the UK Wellcome Trust is funding the Africa Centre for Population Studies in Reproductive Health, based in KwaZulu/Natal, South Africa. The Centre is a collaboration between the South African Medical Research Council, University of Natal, Durban, and the University of Durban-Westville.

On major project currently underway is a SEXUALLY TRANSMITTED DISEASE REFERENCE CLINIC.

The clinic treats 10-20 patients per day, and the program of clinical research aims to determine the aetiology of STD syndromes in the area, the drug susceptibility patterns of causative organisms, and to compare the response to syndromic STD therapy among

patients with and without HIV infection.

The clinic is based in a modern and well equipped primary care clinic in a large town, 250km north of Durban.

We URGENTLY require a DOCTOR to staff the clinic, supporting the very capable senior nurse already employed. The only essential qualification is a medical degree.

You need have no STD experience and this post would suit a young doctor wanting to spend a year in Africa. We offer return flights, a full salary, accommodation, and full training and support in South Africa (through the university Department of Medical Microbiology). You can expect a busy clinical experience, an exciting research project, publications, and could even do an MD if you wanted.

Interested: contact Professor David Wilkinson (08) 8647 6011, 0419 866149, <david.wilkinson@unisa.edu.au>.

Research Branch: Update

ARC International Researcher Exchange Scheme (IREX)

Applications for support in 2000 under the IREX scheme close with the Research Branch on Wednesday 7 April.

Application forms, guidelines, Advice to Applicants and instructions are available on the Research Branch web site at: <<http://www.adelaide.edu.au/RB/formslist.html>>. Information: Vada Osborn, ext 33387.

Strategic Partnerships with Industry-Research and Training (SPIRT) Scheme

This scheme is designed to encourage and develop long-term strategic alliances between higher education institutions and industry, to provide industry-oriented research training for postgraduate research students and to foster opportunities for postdoctoral researchers to pursue internationally competitive research in collaboration with industry. University of Adelaide applicants have had considerable success in securing grants through this scheme in recent years.

Application forms and guidelines for funding in 2000 are now available from the Research Branch web site. Applications close with the Research Branch on Tuesday 27 April. Further information is available from Vada Osborn (ext 33387).

Research Infrastructure (Equipment and Facilities) Program - 2000 Grants

The main objective of this program is to

fund relatively large scale initiatives (in excess of \$100,000) to develop research infrastructure on a cooperative basis across groups of institutions or the higher education system as a whole, or with organisations outside the system. Approximately \$19.6 million will be available through the program in 2000. Funding is for one year only.

The application form and guidelines, and a report on the allocation of grants for 1998, are available from the Research Branch web site at: <www.adelaide.edu.au/RB/formslist.html>. It is expected that final applications will be due in the Research Branch by Friday, 28 May 1999, but some details will be required before then.

If you are considering submitting an application please notify Vada Osborn in the Research Branch of your interest as soon as possible by email <vosborn@registry.adelaide.edu.au> or on extension 35137.

New Web Site

The Research Branch now has a new, more comprehensive Web Site which contains a wide variety of information on research funding opportunities, policies, references and support services and numerous links to other helpful internal and external sites. You are invited to tour the site on: <http://www.adelaide.edu.au/RB/>.

RESEARCH AND SCHOLARSHIPS

AND OTHER FUNDING SCHEMES

Research Grants and Fellowships

The following is a list of grant, fellowship and other research funding schemes currently available for application.

A more detailed electronic version of this listing (Update: Research), together with guidelines and application forms for some of the major schemes, are available at: <http://www.adelaide.edu.au/RB/>.

For hard copy application forms and guidelines, contact the Research Branch, ext 35137; email research@registry.adelaide.edu.au or ccmail RESEARCH, Branch.

Sponsored Programs Information Network (SPIN): SPIN Australia - A database containing current and comprehensive information on over 2,600 government and private funding opportunities. The SPIN web site is accessible via the Research Branch web site.

Industry, Science & Resources; Dept of (DISR) - Technology Diffusion Program (TDP): This Program has three integrated components: Technology Alliances; Technology Transfer; and Online Business. Further information about the TDP is available from the AusIndustry web site: <<http://www.ausindustry.gov.au/tdp>>. U19/98

Grains Research & Development Corporation - Travel/Conference Attendance 1999-2000: Internal closing dates: 24 March 1999 (for the 6 months July 1999 to December 1999); and 23 September 1999 (for the 6 months January 2000 to June 2000). U13/98 Web site: <<http://www.grdc.com.au>>.

Dairy Research & Development Corporation: General Training and Development (Study tours, attendance at conferences, seminars, workshops, short courses). Internal closing date: 24 March 1999. U18/98. Web site: <www.drdc.com.au>.

Grains Research & Development Corporation - Conference Support

1999-2000: Internal closing dates: 24 March and 23 September 1999. U3/99. Web site: <<http://www.grdc.com.au/info-paper/grinfo.htm>>

AW Howard Memorial Trust Inc. - Travel Grants 1999-2000: Internal closing date: 24 March 1999. U3/99

National Facility Steering Committee - Oceanographic Research Vessel Franklin: Call Expressions of Interest for use of Franklin in 2001 & beyond. Internal closing date: 24 March 1999 U18/98. Web site: <<http://www.marine.csiro.au/Franklin/>>.

Prostate Cancer Foundation of Aust - Travel Grants: Internal closing date: On or before 25 March 1999 (for travel between 1 July and 31 December 1999). U13/98

Sea World Research and Rescue Foundation - Research Projects in Marine Biology: Internal closing date: 25 March 1999. U3/99

Australian Biological Resources Study (ABRS) - Participatory Program Research Grant Scheme for 2000: Internal closing date: 1 April 1999. U4/99

University of California at Berkeley - Beatrice M. Bain Research Group on Gender: Affiliated Scholars Program - Call for Applications 1999-2000. Internal closing date: 1 April 1999. U2/99

Australian Research Council - International Researcher Exchange (IREX) Scheme for 2000: Internal closing date: 7 April 1999. U4/99

National Library of Australia - Harold White Fellowships: Internal closing date: 23 April 1999. U4/99. Web site: <www.nla.gov.au/1/gencoll/fellows.html>

Sylvia & Charles Viertel Charitable Foundation - 1999-2000 Senior Medical Research Fellowships and Establishment Grants for Viertel Clinical Investigations: Internal closing date: 23 April 1999

Heart Foundation - Grants-In-Aid for Research (Biomedical and Education/Health Promotion): Internal closing date: 23 April 1999. U4/99

Scholarships

Unless otherwise stated, information and application forms for the following scholarships are available from the Registrar, Scholarships, or the Scholarships Officer, Graduate Studies and Scholarships Branch, Level 7, Wills Building, ext 35697/33044. Please lodge all applications with the Scholarships Office unless otherwise stated.

Adelaide Enterprise Scholarships: Open to graduates, final year, honours or postgraduates wishing to apply for the University's 12 month program, Business Initiatives from Graduates (BIG) Program, commencing mid-January 2000.

Applicants must have an innovative idea which they believe they could successfully develop into a business venture. Value: \$16,135pa. An Information Evening will be held on Wed 5 May. Details from Kankana McPherson, Office of Industry Liaison, tel: 8303 4468. Closing: 1 June

AFUW-ACT Bursary: Free board and lodging for up to four weeks at Ursula College, ANU to a woman graduate or final year honours student who wishes to carry out some short project, in any field, that necessitates a short stay in Canberra. Closing: 31 July (Canberra)

Aileen & Bert Kollosche Scholarship for the Study of Australian Flora: Open to Australian citizens or permanent residents who are full-time postgraduates or honours students undertaking study relevant to the cultivation and/or preservation of Australian flora. Value: \$1,500pa. Closing: 15 April (Scholarships)

AR Riddle Scholarships: Open to honours students in financial need. Further details available from the Student Union Office, ext 35430. Applications from Chris Gent, Student Union Office, or Anne Witt, Graduate Studies Branch, ext 35271. Closing: 30 April (Scholarships)

City of West Torrens Max & Bette Mendelson Foundation Undergraduate Scholarship: Open to Australian citizens who are residents of the City of West Torrens for at least one year at time of application, and who are studying on a full-time basis in any degree or diploma course at the University of Adelaide, Flinders University or the University of South Australia. Tenable for one year. Closing: 16 April (City of West Torrens Council)

Hosei University Foreign Scholars Programme: Tenable for 6-12 months, to holders of a Masters or equivalent. Fields of study include humanities, social or natural sciences, engineering. Closing: 31 May (Japan)

JR Barker Scholarship: Open to honours students or those enrolled in the first or preliminary year of a Masters degree for research in connection with primary production in SA (particularly in the livestock and wool industries). Closing: 26 March (Scholarships)

National Heart Foundation Postgraduate and Vacation Scholarships: Postgraduate scholarships, medical and non-medical, for full-time research leading to a PhD at an Australian university. Vacation Scholarships provide opportunities to participate in research projects which are broadly related to the cardiovascular function. Closing: 8 September - Vacation Scholarships; 25 October - Non-medical; 26 May - Medical (Scholarships)

Queens Trust for Young Australians Awards: Value: up to \$15,000. The Trust offers grants to promote the pursuit of excellence and encourages the development of high achievement. Further details are available from Vee Noble, Regional Secretary 8339 3173 or <<http://www.ozemail.com.au/queens>>. Closing: 30 April